HAPP®

AMUSEMENT & VENDING

CATALOG 2007-2008

$10.00

happ.com

Frustrated with your bill validators always jamming?

Relax, be jam-free with MEI.

Keep your games running, not your service technicians.

A bill jam shuts down your game, costs you a service call, and worse, can jeopardize placements at your prized locations. That is why MEI has spared no effort in virtually eliminating bill jams. With over 4,000,000 bill validators sold worldwide and 20 years of applying advanced technology, the MEI® Series 2000 bill validator uses…

- **Non-contact sensing, eliminating pinch points**
- **Patented dual-shot tools, assuring no edges to catch a limp bill**
- **Secure multi-wavelength sensors for high security**

These features increase bill acceptance, and provide the industry's lowest jam rate resulting in happier consumers, fewer service calls, more profitable locations, and, of course, a chance to relax.

For more information or to place an order, contact HAPP at 888-BUY-HAPP, or online at www.happ.com.

mei®

www.meigroup.com

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MEI is ISO 9001:2000 Certified

OUR MISSION

To establish Happ as the premier provider of quality coin-operated parts, services and supplies in the world while maintaining our uncompromising principles as we grow.

We adhere to the following principles:

- Enthusiastically strive to exceed the expectations of our customers and employees.
- Apply the highest standards of excellence to the design, selection and quality of our products and services.
- Provide a great Team based work environment and treat each other with respect and dignity.

QUALITY

We test and retest the products we assemble and sell, to ensure the highest levels of quality. We constantly strive to improve the quality of our products and service.

SERVICE

In an effort to maintain the ultimate in customer satisfaction, we bring you a new level of convenience with our industry leading web site. Through our web site you have access to our on-line catalogs, new products, monthly specials, and our ehapp on-line ordering system. The ehapp shopping cart system allows you to easily build a secure on-line order with current pricing and availability, 24 hours a day/7days a week. Other on-line benefits of ehapp include viewing the status or history of orders, easy duplication of previous orders, and e-mail notification with tracking information upon shipment of ehapp orders.

We ship quickly and accurately from our distribution centers. Our friendly sales staff will gladly help you in English or in Spanish. Customer satisfaction is our first priority.

VALUE

Competitive everyday prices, and special low prices for volume buyers, or export customers.

INNOVATION

Our engineering team is constantly developing new products that lead the industries we serve. Cost reduction and product improvements are our goals.

Happ is dedicated to the proposition that our customers are our most valuable resource. If we ever fail to satisfy you in any way, please call me personally.

Thank you for your business.

Tom Happ, President

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494 VENDING ACCESSORIES
431 VENDING PARTS

Global Corporate Profile

Global capability and scale

Innovative customer-centric engineering

Solutions focused

Service commitment

SUZO HAPP®

GAMING, AMUSEMENT AND INDUSTRIAL COMPONENTS

Products we manufacture or distribute

Gaming: *Hoppers, topper boxes, push buttons, bill validators, game devices, LCD Monitors, touch screens, tower lights*

Amusement: *Coin doors, trackballs, monitors, power supplies, driving controls, joysticks, optical guns, bill validators*

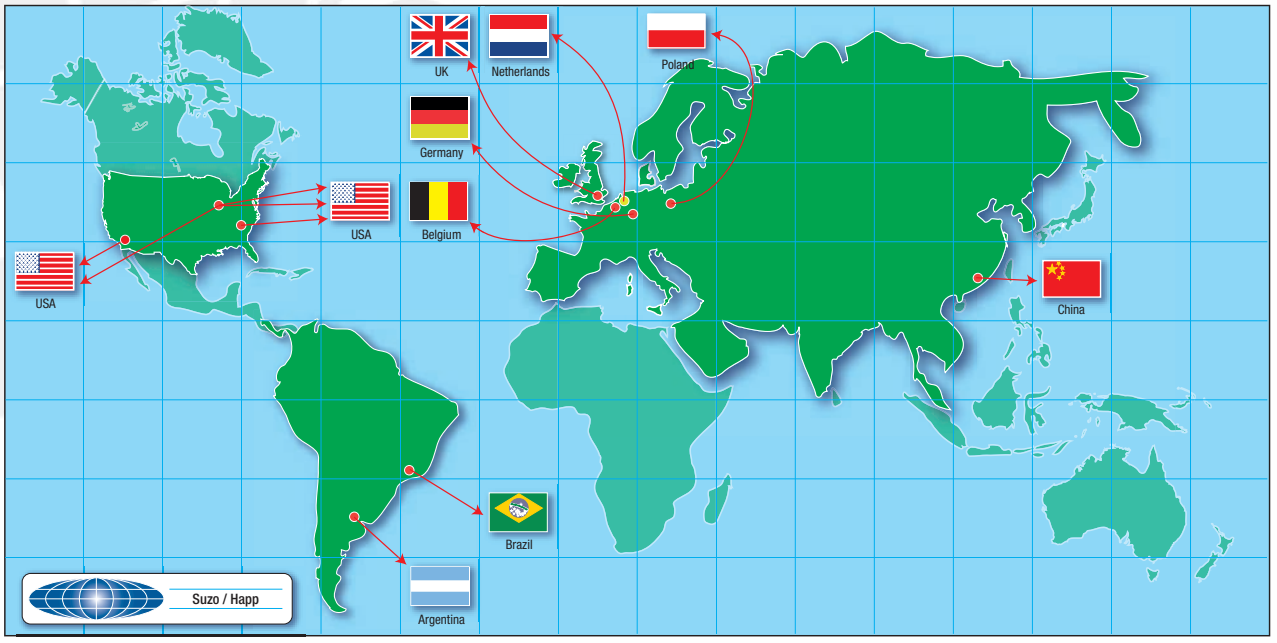
Industrial Components: *Custom products, joystick controls, vending spare parts, snow plow controls, heavy equipment controls*

Suzo-Happ Group is the global leader in the manufacture and distribution of gaming and amusement parts and accessories.

Suzo-Happ Group was formed in January 2005 as the result of the merger of Suzo (formerly Suzo International) and Happ (formerly Happ Controls). Suzo-Happ Group has nearly 450 employees in 18 locations serving customers in over 70 countries.

Although both companies continue to do business under their original names, they leverage a shared commitment to quality-focused product development, world-class customer care and unrivaled distribution capabilities and reach. In North America, the organization does business as Happ based in Elk Grove, IL, and Suzo, based in Oud-Beijerland, Holland, is responsible for international operations.

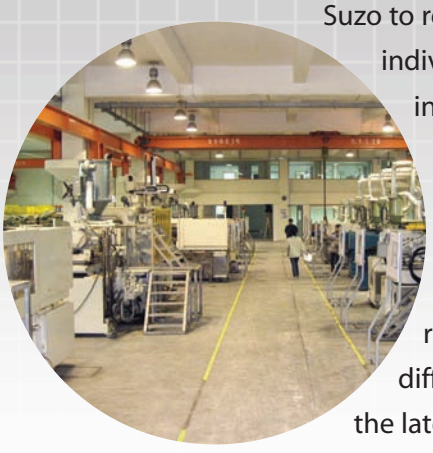
Presentation



Global capability and scale

Suzo-Happ Group has nearly 450 employees in 18 locations serving customers in over 70 countries.

Each branch of Suzo has responsibility for its own markets and for its own customers. This allows Suzo to react quickly either individually or as a group to international, national, regional and local developments. Suzo supplies its customers with a comprehensive range of over 30,000 different products. From the latest in-house change machine to a simple rubber ring for a pinball machine, Suzo can service every corner of the globe. At present, Suzo exports to 63 different countries, to cover the ever-expanding world market.



Happ distributes over 40,000 items to the North American market utilizing a national sales force and seven distribution centers in Illinois, Nevada, Pennsylvania, Indiana, Wisconsin, South Carolina and Minnesota. It distributes products for leading manufacturers in the gaming, amusement and vending marketplace.

Innovative customer-centric engineering

The merger of Suzo and Happ provides an opportunity to add resources to the organization, provide better service to customers and a world-class platform for research and development activity.

Research and development is one of the top priorities. Suzo-Happ Group prides itself on having well educated specialists working in its R&D department, who anticipate the needs of customers and develop new and more sophisticated product lines everyday.

The engineering team at Suzo-Happ Group has over 200 years of engineering development experience on three continents and is continuously developing new and innovative products.

Solutions focused

Suzo-Happ Group has the ability to broaden its product lines, streamline its global distribution capabilities and create value-added solutions for its increased customer base.

On top of selling well-known brand names, Suzo develops its own products under the STC label, which are developed for the industry and manufactured under its own control. These include quality components, complex electronics, software and complete finished products.

Suzo also programs software for various money processing machines, such as gaming machines and change machines, and takes the initiative on new products and problems that may affect its customers in the future.

Producing Euro-friendly parts and machines has given Suzo an edge when it markets its new products to customers, who will be affected by the problems of changing their currency to the Euro. Everything is directed at the production of modern, sophisticated and user-friendly products.

Service commitment

Suzo takes a consultative approach to serving its customers with comprehensive after-sales services within its own technical and marketing departments.

At Suzo's head offices in Holland, all its warehousing is fully bar-coded, and this coupled with its real-time data processing system, produces accurate reporting of inventory and shortened, reliable delivery times.

Happ's culture of efficiency drives its operations. An order received by phone or online is usually picked, packed, shipped and invoiced within a couple of hours. Moreover, a highly structured internal tracking system allows sales staff and customers to follow each order every step of the way.

Stay connected…

suzo.com

happ.com

As products are invoiced, the company's inventory database is automatically updated and shipment tracking details are sent via e-mail as well.

Happ also maintains repair facilities in Illinois, Las Vegas, and New Jersey. Happ is a repair center for Ceronix monitors, MEI bill validators, Wells-Gardner monitors, CashCode bill validators, and Midway and other amusement game boards.

SUZO • HAPP GROUP

GAMING, AMUSEMENT & INDUSTRIAL COMPONENTS

The two companies that make up Suzo-Happ Group continue to do business under their original names.

SUZO®

Founded in 1955

49,000 sq.ft. production facility

Supplies customers with over 30,000 products

Branch offices located in Germany, United Kingdom, Belgium, Poland, Argentina and Brazil

Maintains modern manufacturing facility in China

Founded in Rotterdam in 1955, Suzo supplies systems and components for the amusement, gaming, casino, and vending industries, as well as money processing machines and banknote readers. In addition to the distribution of brand-name products, Suzo develops and manufactures components, electronics, software and systems under the STC label. Headquartered in the Netherlands, with additional operations in Belgium, Germany, Poland, the United Kingdom, Brazil and Argentina, Suzo serves customers in over 70 different countries and has achieved a reputation for providing exceptional customer service.

In 2005, Suzo celebrated 50 years of serving the gaming, casino, amusement and vending industries. Suzo prides itself on being a historically rich company with a sound vision of the future.

Suzo's core products include coin hoppers, pushbuttons, tower lights, topper boxes and handle mechanisms.

1955
Suzo International is founded

1988
Suzo opens first international branch in Germany

1991
Suzo opens branch office in United Kingdom

1993
Suzo opens branch office in Belgium

2001
Suzo opens branch office in Argentina
Suzo opens branch office in Brazil

1986
Happ Controls is founded

1998
Happ opens branch office in Las Vegas, NV

2000
Happ opens branch office in the United Kingdom
Happ acquires PARTSTAR division of Carlton Bates Corporation

2001
Happ acquires Midway Games' service business
Happ acquires Well-Gardner's coin door division

SUZO HAPP®

GAMING, AMUSEMENT AND INDUSTRIAL COMPONENTS

HAPP®

Happ was founded in 1986 and is headquartered in Elk Grove, IL. The company has additional distribution centers in Las Vegas, NV, Greenville, SC, Menomonee Falls, WI, and Minneapolis, MN. The company specializes in the manufacturing and distribution of amusement, gaming, vending and industrial parts and accessories.

Happ Controls was founded by Frank Happ, who purchased what had become a diversified parts supply business from U.K.-based Coin Controls. In 1998, the company expanded into the distribution of parts and supplies for gaming machines. Happ soon became a leading supplier to the industry.

Happ's core products include coin doors, optical guns, trackballs, illuminated push buttons, driving controls and joysticks.

Happ's focus has been to aggressively expand its sales staff and product lines to better serve the needs of its gaming, amusement, vending and industrial component customers.

Founded in 1986

Nearly 95,000 sq.ft. facility in Elk Grove, IL

Elk Grove location produces over 20,000 assembled products per day

Manufactures over 12,000 SKUs in over 200 unique product groups

Distributes over 40,000 items to the North American market

Processes over 650 shipments per day

Branch offices located in Las Vegas, NV, Greenville, SC, Menomonee Falls, WI, and Minneapolis, MN.

2002
Suzo is appointed Casinos & Gaming Suppliers as distributor for Peru, Ecuador and Chile and Famostar S. A. electronica for Uruguay

2004
Suzo opens branch office in Poland

2006
Suzo aquires SadecTronic in Spain

2002
Happ acquires Wholesale Electronics

Happ opens branch office in New Castle, DE

2003
Happ opens branch office in Greenville, SC

2004
Happ acquires Perfect 360 Joystick

2006
Happ acquires Mazzco

2005
Suzo and Happ merge to form Suzo-Happ Group

2005
Suzo-Happ Group merger with AESI

ADVANCED ELECTRONIC SYSTEMS INC.

2006
Suzo-Happ Group acquires Starpoint

STARPOINT

Worldwide locations

USA

HAPP Distribution Centers:
106 Garlisch Drive, Elk Grove, IL 60007
1200 Woodruff Road A-2, Greenville, SC 29607
9549 Penn Ave, South, Bloomington, MN 55431
N59 W16600 Greenway Circle, Unit B, Menomonee Falls, WI 53051
5508 Elmwood Lane, Suite 310, Indianapolis, IN 46203
82 South 13th Street, Pittsburgh, PA 15233

Phone: (888) 289-4277
Fax: (800) 593-HAPP
e-mail: info@happcontrols.com

www.happ.com

HAPP/AESI
2015 Helm Road, Las Vegas, NV 89119

Phone: (866) 736-2374
Fax: (702) 597-4837
e-mail: service@gamingstuff.com

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Phone: (+49) 2404 98 680
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e-mail: sales@suzo.de • www.suzo.de

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Fax: (+48) 61 8141 132
e-mail: info@suzo.pl • www.suzo.pl

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e-mail: info@suzo-americas.com
www.suzo-americas.com

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e-mail: info@stccomponentes.com.br

SUZO HAPP®
GAMING, AMUSEMENT AND INDUSTRIAL COMPONENTS

VENDING • OFFICE COFFEE SERVICE • FOODSERVICE • BULK VENDING • MUSIC & GAMES • VENDING

Three segments ...one industry

VENDING TIMES

Game Networks Provide Steady Operating Model

Cashless Transactions Take Center Stage As Small-Payments Card Use Accelerates

ACE Planners Upgrade 2007 Show's Schedule

Sugarless Bulk Gum Vending Adds Revenue Stream For Full-Line, OCS

NAMA Expands Education Services, Sets Agenda For 2007 Spring Expo

VT MUSIC & GAMES

IT'S ENTERTAINMENT SHOPPING!

Chuck E. Cheese's Karyn Gitler Reveals Art Of Selecting Prizes For Redemption Operations

Apple Industries Introduces Compact Strip Photo Booth

Vendors Exchange, MEI Develop Cashless System For Games

VT BULK VENDING

Flavor Innovations And Brand Appeal Yield Increased Profit Potential For Vended Gums

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Your world!

VENDING TIMES is the only trade journal that covers all areas of the automatic vending and coin machine industries. Its content targets equipment operators and owners working in vending, foodservice, coffee service, bulk vending, and coin-operated entertainment and music. Subscribe today by calling **(212) 302-4700** or by visiting our online subscription service at **www.vendingtimes.com.** The international rate is $115/one year. Domestic rates are $40/one year, $50/two years and $65/three years. If you would like to receive *Ahead of the Times* – a free electronic supplement that instantly delivers the latest industry news – visit our website to sign up.

VENDING • OFFICE COFFEE SERVICE • FOODSERVICE • BULK VENDING • MUSIC & GAMES • VENDING

AUTHORIZED BILL VALIDATOR SERVICE CENTER

MEI, Pyramid, CashCode, and ICT Bill Validators

Las Vegas

2015 Helm Dr
Las Vegas, NV 89119
Phone: 866-736-AESI (2374)
Fax: 877-870-2259

MEI Bill Validators
-SC Series Cashflow
-Series 3000
-Series 2000
-ZT Series

Chicago

106 Garlisch Drive
Elk Grove, IL 60007
Phone: 888-BUY-HAPP (289-4277)
Fax: 800-593-HAPP (4277)

MEI Bill Validators
-Series 2000

CashCode Bill Validators

Pyramid Bill Validators

ICT Bill Validators

New Jersey

2547 Fire Rd Unit I9
Egg Harbor TWP, NJ 08234
Phone: 866-736-AESI (2374)
Fax: 877-870-2259

MEI Bill Validators
-SC Series Cashflow
-ZT Series

mei

PYRAMID TECHNOLOGIES, INC.
CURRENCY VALIDATION EXPERTS

ICT

CashCode®

Note: Please phone or fax customer service at one of the numbers listed above for an RMA form and number. In order to properly handle your repair, your return must have an RMA number on it.

AUTHORIZED BILL VALIDATOR SERVICE CENTER

- Factory authorized service center for MEI and CashCode bill validators
- All refurbished validators are completely disassembled and cleaned, worn or defective parts are replaced, and the unit is reassembled, calibrated and tested
- Factory trained technicians with over 30 years hands-on experience
- 6-month warranty
- 5-day turnaround time

Bill Validator Repair Prices

MEI Cashflow RTU	Price
Repairs plus replacement parts	$65.00
Repairs with no replacement parts (includes any download/cleaning/calibration)	$32.50
No Fault Found (Bench tested and no fault found)	$22.50
Software Update (Per customer request - download only no testing involved)	$20.00

MEI Cashbox and Chassis	Price
Cashbox repair plus parts	$38.00
Cashbox repairs with no replacement parts (includes cleaning and prism alignment)	$22.50
No Fault Found	$11.50

MEI Series 3000 RTU	Price
Repairs plus replacement parts	$65.00
Repairs with no replacement parts (includes any download/cleaning/calibration)	$32.50
No Fault Found (Bench tested and no fault found)	$22.50
Software Update (Per customer request - download only no testing involved)	$20.00

MEI Series 3000 Cash Can	Price
Chassis Repair plus replacement parts	$27.00
No Fault Found (Bench tested and no fault found)	$22.50

MEI Series 2000	Price
RTU Repairs plus replacement parts	$38.25
No Fault Found (Bench tested and no fault found)	$22.50
Software Update (Per customer request - download only no testing involved)	$20.00

MEI ZT Series	Price
RTU Repairs plus replacement parts	$65.00
RTU Repairs with no replacement parts (includes any download/cleaning/calibration)	$32.50
No Fault Found (Bench tested and no fault found)	$22.00
Software Update (Per customer request - download only no testing involved)	$20.00

CashCode	Price
Repairs plus replacement parts	$38.25
No Fault Found (Bench tested and no fault found)	$22.50
Software Update (Per customer request - download only no testing involved)	$20.00

HAPP LCD AND CRT MONITOR REPAIR SERVICE

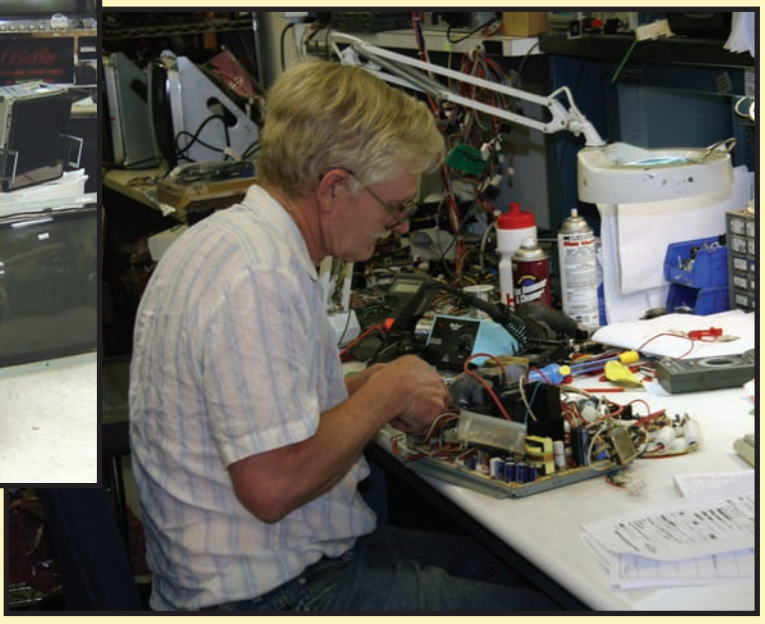
Ceronix, Kortek, Makvision, Neotec, Vision Pro and Wells Gardner

Las Vegas
2015 Helm Dr
Las Vegas, NV 89119
Phone: 866-736-AESI (2374)
Fax: 877-870-2259
Kortek Monitors
-LCD(up to 46")
-CRT
Wells Gardner Monitors
Ceronix Monitors
Tatung Monitors
Vision Pro Monitors
Keno Pens

Chicago
106 Garlisch Drive
Elk Grove, IL 60007
Phone: 888-BUY-HAPP (289-4277)
Fax: 800-593-HAPP (4277)
Kortek Monitors
-KT-2938
-KT-2914
Vision Pro Monitors
Wells Gardner Monitors
Neotec Monitors
Makvision Monitors

New Jersey
2547 Fire Rd Unit I9
Egg Harbor TWP, NJ 08234
Phone: 866-736-AESI (2374)
Fax: 877-870-2259
Kortek Monitors
-LCD (up to 46")

Note: Please phone or fax customer service at one of the numbers listed above for an RMA form and number. In order to properly handle your repair, your return must have an RMA number on it.



HAPP LCD AND CRT MONITOR REPAIR SERVICE

Monitor Repair Service

- Ceronix, Vision Pro, MakVision and Tatung Authorized service center
- Also repair Wells Gardner, Kortek, and Neotec
- Monitors repair includes burn-in test, touch calibration and bench test
- Factory trained technicians with over 30 years hands-on experience
- 5-day quick turnaround from receipt 180-day warranty on LCDs; 90-day warranty on CRTs

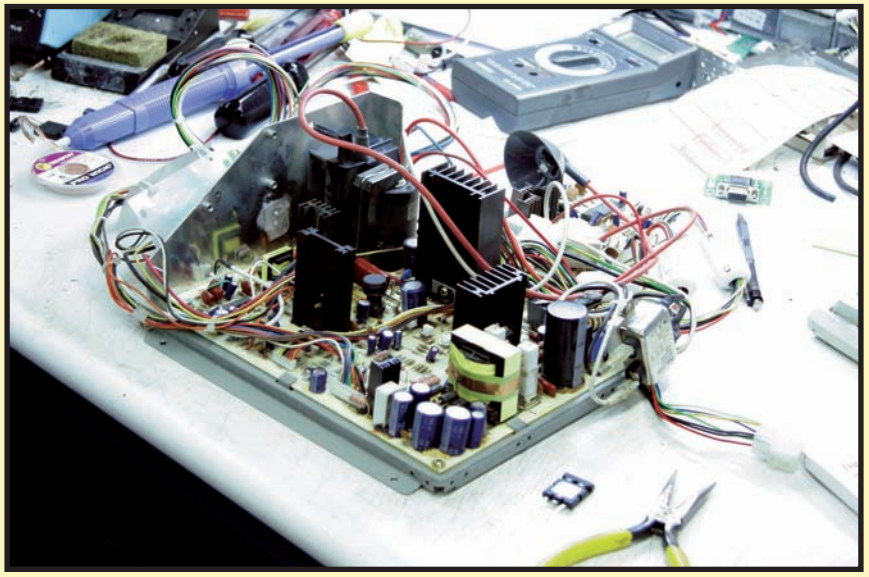
CRT and Chassis	Price
Repair plus replacement parts	$65.00
No Fault Found	$30.60

LCD (up to 27")	Price
Repair plus replacement parts	$65.00
No Fault Found	$30.60

LCD/Plasma (27"and higher)	Price
Repair plus replacement parts	$150.00
No Fault Found	$40.00

LCD with PC	Price
Repair plus replacement parts	$180.00
No Fault Found	$40.00

Note: Please phone or fax customer service for an RMA form and number. In order to properly handle your repair, your return must have an RMA number on it.



HAPP MIDWAY SERVICE CENTER

Midway / Atari Game Boards and Hard Drives

Midway and Atari game boards and hard drives 1995 and newer, both electronic related and operator questions (settings, failure codes, etc.)
For other game boards call for details
EPROMs available for most Midway and Atari video games

- $50.00 minimum charge on PC boards
- $40.00 minimum charge on hard drives
- Repairs are done in our Elk Grove service center
- 30-day warranty on all repairs
- Repair plus replacement parts $125.00
- No Fault Found/Can not be repaired $50.00
- No pinball repairs

Note: Please phone or fax customer service at the numbers listed below for an RMA form and number. In order to properly handle your repair, your return must have an RMA number on it.

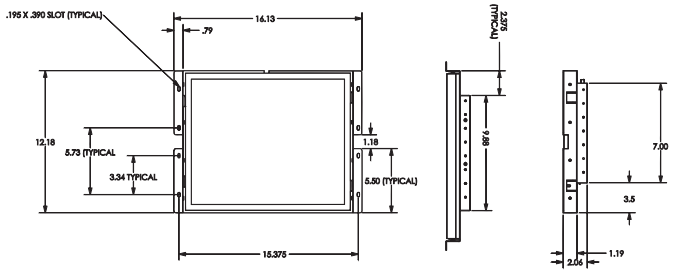
HAPP
106 Garlisch Drive
Elk Grove, IL 60007
Phone: 888-BUY-HAPP (289-4277)
Fax: 800-593-HAPP (4277)

VISION PRO DUAL RESOLUTION (CGA/VGA) LCD MONITORS

NEW

VISION PRO

49-2603-20 Shown



- The future is here with Happ's new Dual Resolution LCD Monitors
- Units work in CGA, VGA, SVGA or XGA resolutions
- Ideal for use in most Amusement applications
- Replace your old outdated CRT monitors with a Vision Pro LCD and give your games a new modern look
- Made from high-grade components including AU Optronics (AUO) LCD panels that offer better picture quality, balanced picture image and a longer life span with no burn-in (which is typical with traditional CRT monitors)
- All units have a unique frame design that allows you to adjust the depth of the LCD panel to accommodate use of a touch screen
- Pre-programmed to automatically sync with popular CGA games
- LCD's can be pre-programmed for other CGA games upon request (Contact your sales rep for details)
- Integrated units available with touch screen and controller or safety glass overlay
- Adaptor board (49-3211-00) included which allows you to mate a standard VGA cable with either a 6 or a 10-pin RBG connector
- Power supply and cord included
- 1-year warranty from date of sale

Part Number		Price per ea.
49-2603-20	17" Vision Pro LCD Monitor CGA/VGA Without Touch Screen	319.99
49-2603-25	17" Vision Pro Integrated LCD with Touch Screen and Controller	508.95
49-2604-20	19" Vision Pro LCD Monitor CGA/VGA Without Touch Screen	359.99
49-2604-25	19" Vision Pro Integrated LCD with Touch Screen and Controller	574.99
49-2604-26	19" Vision Pro LCD Monitor with Safety Glass Overlay	359.95
49-2762-00	15" Vision Pro LCD Monitor CGA/VGA Without Touch Screen	300.00
49-2762-25	15" Vision Pro Integrated LCD with Touch Screen and Controller	483.95
XXVGA-6	Replacement 3' VGA Cable	4.95
49-3211-00	Replacement VGA-RGB Adaptor Board	3.95
49-2765-00	19" Vision Pro Flat LCD Bezel Kit	44.99
49-2776-00	19" LCD Replacement CRT Frame Kit	44.95

17" and 19" Specifications	
Power Supply	+12 VDC 2.5A MAX
Input Video Signal	Signal : RED, GREEN, BLUE Analog only Polarity : Positive Level : Analog from 0.714 to 2.5 [VP-P] Maximum Dot Clock : 135[MHz]
Input Sync Signal	Polarity : (+) or (-) H,V Separate or Composite sync" Level : TTL Compatible High : 2.4 ~ 5.0[V] Low : 0.0 ~ 0.8[V] Scan Frequency : 15 ~ 80.0[KHz]
Panel Specifications	Display Area 376.32 (H) x 301.06 (V) mm (19" dia.) Display Area 337.92(H) x 270.336(V) mm (17" dia.) Driver Element a-Si TFT active matrix Dot Display Colors 16.78M True Color Number of Pixels 1,280 x 1,024 Pixel" Pixel Arrangement RGB Vertical Stripe Pixel Pitch 0.294 (per one triad) x 0.294) mm (19") Pixel Pitch 0.264 (H) _ 0.264(W) mm (17") Display Mode Normally White Viewing Angle 80/80/80/80 (U/D/L/R) Degrees CR≥10 (19") Viewing Angle 70/60/70/70 (U/D/L/R) Degrees CR≥10 (17") Weight 2500 g Max. (19"), Weight 1900 g Max. (17") Contrast Ratio Typ = 700:1 Center of panel (19") Contrast Ratio Typ = 500:1 Center of panel (17") Response Time Rise = 4.5ms , Fall = 1.5ms Typ. (19") Response Time Rise = 6ms , Fall = 2ms Typ. (17") White Luminance Typ = 300cd/m2 Cd/m2 Center of panel Brightness Uniformity Typ = 80 % % Dimensions 396 (H) x 324 (V) x 17.5 (D) (Typ) mm (19") Dimensions 358.5(H) x 296.5(V) x 17.0(D) (Typ) mm (17")
Viewable Size/Type	19" RGB or 17" RGB
Signal Connector	DB15 and 10 pin .156 header. DB15 to 10 pin adapter board supplied
Power Connector Supplied Items	Center Positive Coaxial Power Jack Power supply with US Line cord, 1.5M VGA cable, DB15 to CGA 10 pin adapter board

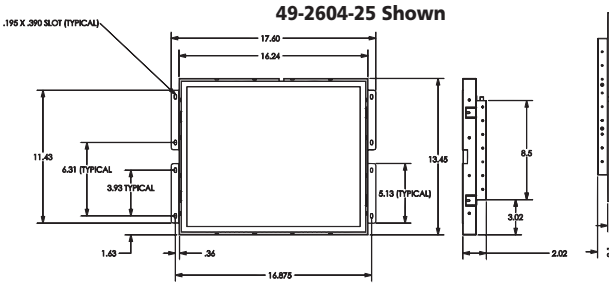
VISION PRO DUAL RESOLUTION INTEGRATED LCD'S

VISION PRO

- Units are fully integrated with touch screen and controller
- Ideal for Amusement applications that require a touch screen
- Units work in CGA, VGA, SVGA or XGA mode
- Made from high-grade components including AU Optronics (AUO) LCD panels that offer better picture quality, balanced picture image and a longer life span with no burn-in (which is typical with traditional CRT monitors)
- Pre-programmed to automatically sync with popular CGA games
- All units have a unique frame design that allows you to adjust the depth of the LCD panel up to a ?"
- Adaptor board (49-3211-00) included which allows you to mate a standard VGA cable with either a 6 or a 10-pin RBG connector
- Power supply and cord included
- LCD monitor has a 1-Year warranty from date of sale
- Touch screen includes 3-year warranty excluding vandalism
- Controller includes a 5-year warranty excluding vandalism

Part Number		Price per ea.
49-2604-25	19" Vision Pro Integrated LCD	574.99
49-2603-25	17" Vision Pro Integrated LCD	508.95
49-2762-25	15" Vision Pro Integrated LCD	483.95

49-2604-25 Shown



NEW

17" and 19" Specifications	
Power Supply	+12 VDC 2.5A MAX
Input Video Signal	Signal : RED, GREEN, BLUE Analog only Polarity : Positive Level : Analog from 0.714 to 2.5 [VP-P] Maximum Dot Clock : 135[MHz]
Input Sync Signal	Polarity : (+) or (-) H,V Separate or Composite sync" Level : TTL Compatible High : 2.4 ~ 5.0[V] Low : 0.0 ~ 0.8[V] Scan Frequency : 15 ~ 80.0[KHz]
Panel Specifications	Display Area 376.32 (H) x 301.06 (V) mm (19" dia.) Display Area 337.92(H) x 270.336(V) mm (17" dia.) Driver Element a-Si TFT active matrix Dot Display Colors 16.78M True Color Number of Pixels 1,280 x 1,024 Pixel" Pixel Arrangement RGB Vertical Stripe Pixel Pitch 0.294 (per one triad) x 0.294) mm (19") Pixel Pitch 0.264 (H) _ 0.264(W) mm (17") Display Mode Normally White Viewing Angle 80/80/80/80 (U/D/L/R) Degrees CR≥10 (19") Viewing Angle 70/60/70/70 (U/D/L/R) Degrees CR≥10 (17") Weight 2500 g Max. (19"), Weight 1900 g Max. (17") Contrast Ratio Typ = 700:1 Center of panel (19") Contrast Ratio Typ = 500:1 Center of panel (17") Response Time Rise = 4.5ms , Fall = 1.5ms Typ. (19") Response Time Rise = 6ms , Fall = 2ms Typ. (17") White Luminance Typ = 300cd/m2 Cd/m2 Center of panel Brightness Uniformity Typ = 80 % % Dimensions 396 (H) x 324 (V) x 17.5 (D) (Typ) mm (19") Dimensions 358.5(H) x 296.5(V) x 17.0(D) (Typ) mm (17")
Viewable Size/Type	19" RGB or 17" RGB
Signal Connector	DB15 and 10 pin .156 header. DB15 to 10 pin adapter board supplied
Power Connector	Center Positive Coaxial Power Jack
Supplied Items	Power supply with US Line cord, 1.5M VGA cable, DB15 to CGA 10 pin adapter board

19" HAPP LCD RETRO FRAME KIT

NEW

- Custom engineered frame
- Allows you to mount a 19" Vision Pro LCD as a 19" CRT shelf mount monitor
- Made from durable 16 gauge galvanized steel
- Some assembly required
- All hardware included
- LCD sold separately
- Will work with 49-2604-10 and 49-2604-20

Part Number		Price per ea.
49-2776-00	19" Happ LCD Retro Frame Kit	44.95

19" LCD FLAT BEZEL KIT

NEW

- Constructed from heavy duty steel
- LCD mounts to bezel
- Will work with Angle upright cabinets

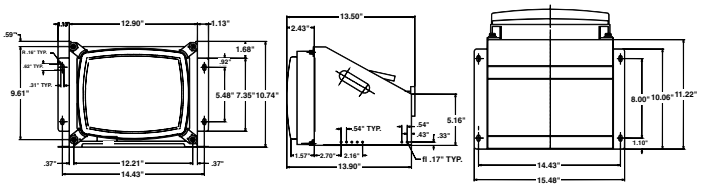
Part Number		Price per ea.
49-2765-00	19" LCD Metal Bezel Kit	44.99

HAPP VISION PRO 13" SHELF MOUNT MONITOR

- Increase your games profits with this top quality monitor
- Great replacement for your game's old monitor
- Open frame design
- Front control board makes adjusting easy
- Quality picture tube
- CGA resolution
- No isolation transformer required
- Call for schematics
- Includes US line cord (49-6140-00)

Part Number		Price per ea.
49-1345-VP2	Happ Vision Pro 13" Monitor	157.95
49-2108-00LG	Replacement Chassis for LG CRT	114.75
49-2108-00SG	Replacement Chassis for Samsung CRT	114.75
49-2108-00ON	Replacement Chassis for Orion CRT	114.75
49-2257-00	Replacement Fly-back Transformer	26.50

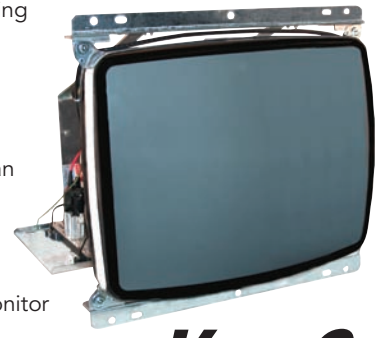
Power Supply	Frequency: 47-63 Hz Voltage: 100-250vac Consumption: Less than 70 watts
Input VideoSingal	Red, Green, Blue analog input 50 ohm termination to ground Level: 0 to 2.4 Vpp
Input Sync Signal	Seperate H/V sync input 10 k termination to ground
Horizontal Deflection	Scanning Frequency: Nominal (15-17.5KHz)Retrace period : <9.0us
Vertical Deflecton	Scanning Frequency: 50-65Hz Retrace period:<900us
Linearity	± 5%
Picture Size Regulation	Static Regultion: 2% Dynamic Regulation: 1.5%
Geometric Distortion	2%
Degaussing	Auto at power on
Enviromental Conditions	Operating Temperature: 10-60˚C Humidity: 10˚-90%, no condensation
Dot Pitch	.69mm
Power Connector	3 Ckt Molex Power Connector Plug 19-09-2039 with male terminal 02-09-2116 Mates with 3 Ckt Molex Power Connector Receptacle 19-09-1039 and female terminal 02-09-1119
Signal Connector	10 CKT .156 Header
Viewable Size/Type	13" RGB
Resolution	624 x 200
Approvals	CSA



19" CGA HAPP VISION PRO MONITOR WITH UNIVERSAL FRAME

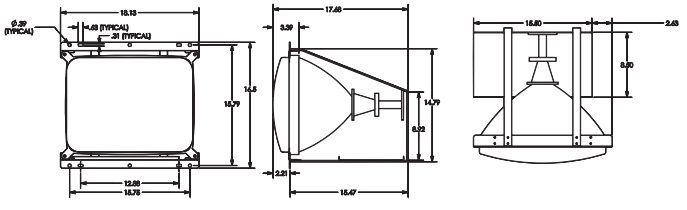
NEW

- Universal frame design
- Front control board makes adjusting easy
- "A" grade picture tube
- CGA Resolution
- No isolation transformer required
- Remote adjustment PCB which can adjust for: brightness, contrast, "H" size, "H" center, "V" size and "V" center
- Remote PCB mounted on cable extending about 30" from the monitor chassis
- Includes US line cord (49-6140-00)



Part Number		Price per ea.
49-0727-VP2	19" CGA Vision Pro Monitor With Universal Frame	193.85

Power Supply	Frequency: 47-63 Hz Voltage: 90-264 vac Consumption: Less than 70 watts
Input VideoSingal	Red, Green, Blue analog input 50 ohm termination to ground Level: 0 to 2.4 Vpp
Input Sync Signal	Seperate H/V sync input 10 k termination to ground
Horizontal Deflection	Scanning Frequency: Nominal (15-17.5KHz) Retrace period : <9.0us
Vertical Deflecton	Scanning Frequency: 50-65Hz Retrace period:<900us
Linearity	± 5%
Picture Size Regulation	Static Regultion: 2% Dynamic Regulation: 1.5%
Geometric Distortion	2%
Degaussing	Auto at power on
High Voltage	27KV
Enviromental Conditions	Operating Temperature: 10-60˚C Humidity: 10˚-90%, no condensation
Dot Pitch	.78mm
Power Connector	3 Ckt Molex Power Connector Plug 19-09-2039 with male terminal 02-09-2116 Mates with 3 Ckt Molex Power Connector Receptacle 19-09-1039 and female terminal 02-09-1119
Signal Connector	6 CKT .156 Header
Viewable Size/Type	19" RGB
Resolution	624x 200
Approvals	UL, CUL, TUV



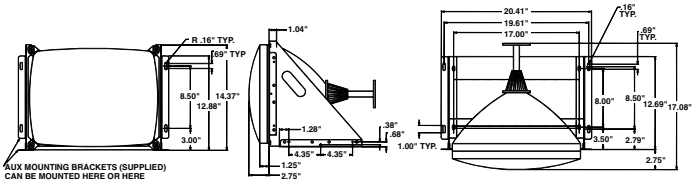
HAPP VISION PRO 19" CGA SHELF MOUNT MONITOR

- This 19" monitor has great visual clarity and color making playing your game a pleasurable experience. No eye straining because of blurring or fading color
- Open frame design
- Front controls board makes adjusting easy
- Quality picture tube
- CGA Resolution
- No isolation transformer required
- Call for schematics
- Includes US line cord

- Remote Adjustment PCB with adjustments for Brightness, Contrast, H. Size, H. Center, V. Size and V. Center
- Remote PCB mounted on cable extending about 30" from the monitor chassis

Part Number		Price per ea.
49-1329-VP2	Happ Vision Pro 19" Shelf Mount CGA Monitor	183.10

Power Supply	Frequency: 47-63 Hz Voltage: 90-264 vac Consumption: Less than 70 watts
Input Video Signal	Red, Green, Blue analog input 50 ohm termination to ground Level: 0 to 2.4 Vpp
Input Sync Signal	Seperate H/V sync input 10 k termination to ground
Horizontal Deflection	Scanning Frequency: Nominal (15-17.5KHz) Retrace period : <9.0us
Vertical Deflecton	Scanning Frequency: 50-65Hz Retrace period:<900us
Linearity	± 5%
Picture Size Regulation	Static Regultion: 2% Dynamic Regulation: 1.5%
Geometric Distortion	2%
Degaussing	Auto at power on
High Voltage	27KV
Enviromental Conditions	Operating Temperature: 10-60˚C Humidity: 10˚-90%, no condensation
Dot Pitch	.78mm
Power Connector	3 Ckt Molex Power Connector Plug 19-09-2039 with male terminal 02-09-2116 Mates with 3 Ckt Molex Power Connector Receptacle 19-09-1039 and female terminal 02-09-1119
Signal Connector	6 CKT .156 Header
Viewable Size/Type	19" RGB
Resolution	624x 200
Approvals	UL, CUL, TUV



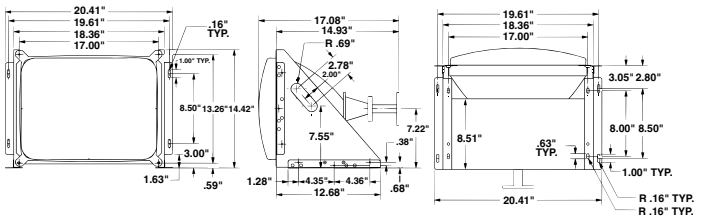
HAPP VISION PRO 19" VGA/SVGA MONITOR

- Delivers high performance video!
- "A" quality picture tube
- Open frame, shelf mount style
- 640 x 480 graphics mode
- VGA resolution
- No isolation transformer required
- Remote Adjustment PCB with adjustments for Brightness, Contrast, H. Size, H. Center, V. Size and V. Center
- AC connection is made with supplied US line cord

- Remote PCB mounted on cable will extend about 30" from the monitor making adjustments easy
- Call for schematics

Part Number		Price per ea.
49-1337-VP2LG	Happ Vision Pro 19" VGA Monitor	243.95

Happ Part Number	**49-1337-VP2LG**
Power Supply	Frequency: 47-63Hz Voltage: 100-230vac Consumption: Less than 70 watts
Input Video Signal	Red, Green, Blue analog input 75 ohm termination to ground Level: 0 to 700mV
Input Sync Signal	Separate H/V sync input 5.1V Zener to ground Level: TTL level Polarity: Positive
Horizontal Deflection	Scanning Frequency: 31.5KHz Retrace period: <5us
Vertical Deflection	Scanning Frequency: 47-70Hz Retrace period: <500us
Linearity	± 5%
Picture Size Regulation	Static Regulation: 2% Dynamic Regulation: 1.5%
Geometric Distortion	2%
Degaussing	Auto at power on
High Voltage	27KV
Environmental Conditions	Operating Temperature: 10~60°C Humidity: 10° ~ 90%, no condensation
Dot Pitch	.78mm
Power Connector	3 Ckt Molex Power Connector Plug 19-09-2039 with male terminal 02-09-2116. Mates with 3 Ckt Molex Power Connector Receptacle 19-09-1039 and female terminal 02-09-1119
Signal Connector	6 CKT .156 Header
Viewable Size/Type	19" VGA
Resolution	640 x 480
Approvals	UL, CUL, TUV, CE, CSA



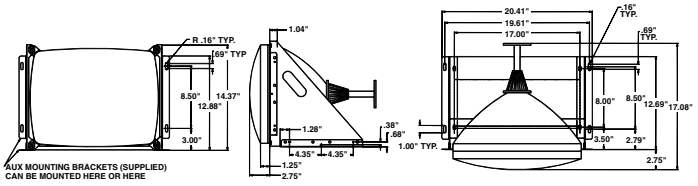
19" VISION PRO CGA INTEGRATED MONITOR

NEW

- Have an old touch screen monitor that needs to be replaced? Then Happ has your answer
- This fully integrated monitor comes complete with Happ's high quality 19" CGA Vision Pro monitor (49-1329-VP2), 3M ClearTek "S" 19" touch screen (49-7030-A) and a 3M programmed touch screen controller (49-1746-POG)
- Ideal for use in POG type games
- Monitor is an open frame type and will work with most form fitted bezels
- 1-year warranty on parts and labor (Excluding vandalism)

VISION PRO

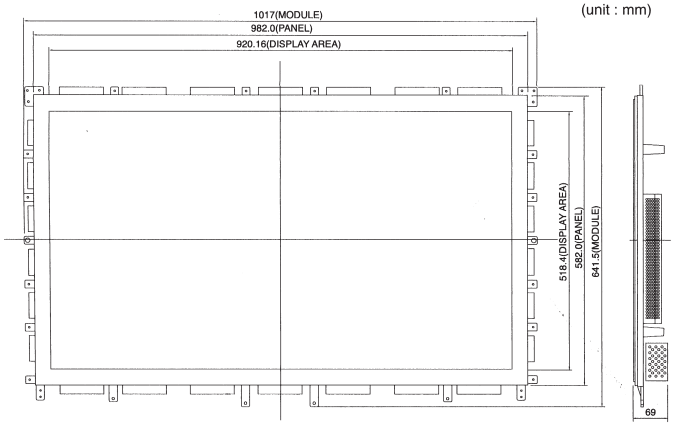
Part Number		Price per ea.
49-1329-VP2TS	19" Vision Pro Integrated Monitor	508.10



Power Supply	Frequency: 47-63 Hz Voltage: 90-264 vac Consumption: Less than 70 watts
Input Video Signal	Red, Green, Blue analog input 50 ohm termination to ground Level: 0 to 2.4 Vpp
Input Sync Signal	Seperate H/V sync input 10 k termination to ground
Horizontal Deflection	Scanning Frequency: Nominal (15-17.5KHz) Retrace period : <9.0us
Vertical Deflecton	Scanning Frequency: 50-65Hz Retrace period:<900us
Linearity	± 5%
Picture Size Regulation	Static Regultion: 2% Dynamic Regulation: 1.5%
Geometric Distortion	2%
Degaussing	Auto at power on
High Voltage	27KV
Enviromental Conditions	Operating Temperature: 10-60˚C Humidity: 10˚-90%, no condensation
Dot Pitch	.78mm
Power Connector	3 Ckt Molex Power Connector Plug 19-09-2039 with male terminal 02-09-2116 Mates with 3 Ckt Molex Power Connector Receptacle 19-09-1039 and female terminal 02-09-1119
Signal Connector	6 CKT .156 Header
Viewable Size/Type	19" RGB
Resolution	624x 200
Approvals	UL, CUL, TUV

42" PLASMA DISPLAY MONITOR

- High image quality with high luminance and contrast ratio
- Compatible to HDTV format with 16:9 aspect ratio
- Less than 3" in depth
- Real flat and wide image
- Digital ready
- Resolution: 852 X 480
- Pixel pitch: Horizontal 1.08X, Vertical 1.08mm
- Viewing angle: >160 degree
- Number of colors: 16.7 million
- Lifetime: 20,000 hours (MTBF)
- Power: AC100-240 V (50/60Hz)
- 40" W x 25.25" H x 2.71" D
- Weight: 57.32 lbs



Part Number		Price per ea.
49-6219-00	42" Plasma Display Monitor	2549.25

Other sizes available. Contact your HAPP sales rep for details.

3M MICROTOUCH CLEARTEK™ TOUCH SCREENS

Extended Durability for High-use Applications

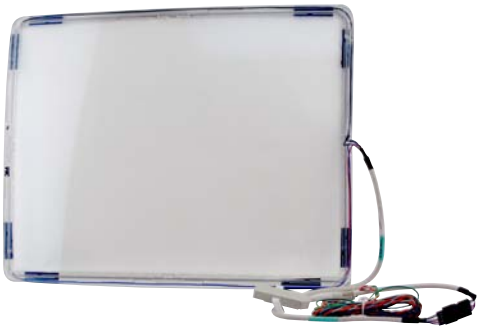
MicroTouch™ ClearTek™ capacitive touch screens, manufactured by 3M Touch Systems, are the preferred touch solution for applications that require fast and accurate touch performance. The flat capacitive Profile sensor incorporates advanced construction and production techniques that result in a thin, sleek design which provides easy installation into flat panel displays and flat CRTs. The robust touch characteristics of ClearTek are attributed to its transparent overcoat, which significantly increases the physical durability of the surface by allowing it to resist scratches and abrasions. Popular applications include kiosks, ATM installations, point-of-sale, industrial equipment, gaming machines, and vending.

Making the Difference

ClearTek capacitive touch technology provides accurate and sensitive response to the user's touch while offering outstanding durability. A ClearTek capacitive touch screen provides scratch-resistance and contaminant-resistance to dirt, liquids, and harsh chemicals. A ClearTek sensor with Industrial Etch has been tested in a laboratory environment to withstand over 225 million mechanical touches without noticeable degradation to the surface.*

MicroTouch™ 3M

AUTHORIZED DISTRIBUTOR



Features

- Transparent coating significantly increases durability by resisting scratches and abrasions
- Performance unaffected by everyday contaminants in the environment
- Accurate and fast touch response
- Narrow border for easy integration
- Connects to the new EX II electronics platform
- ClearTek capacitive touch screens available in both flat and curved
- Taped wires

Part Number	Description	3M Ref. No.	Price per ea.	L/7
Curved Touch Screens				
49-7031-00	17" Curved Touchscreen with Detachable Novram Cable	13-1611-01NL	195.00	180.00
49-5346-00	18V/19" Curved Touch Screen with Detachable Novram Cable	13-1961-01NL	300.90	280.50
49-6199-00	15" Curved Touch Screen for Merit Force, EC9850-03	13-1431-01NL	346.75	327.50
49-5346-00	19v Curved Touch Screen	13-1961-01NL	300.90	280.50
Flat Touch Screens				
49-5099-00	15" Flat Touch Screen	13-5291-01MA	398.52	365.35
49-2271-00	17" Flat Touch Screen	13-8211-06MA	229.95	214.95
49-2296-00	18" Flat Touch Screen Used on WMS Blue Bird System	13-8351-123MA	323.65	269.75
49-2586-00	18.1" Flat Touch Screen	13-8351-04MA	182.05	169.05
49-1917-00	18" Flat Touch Screen	13-5331-01MA	234.60	195.50
49-2264-00	19" Flat Touch Screen For Konami	13-5821-01MA	241.00	200.85
49-2588-00	19" Flat Touch Screen	13-8551-04MA	189.90	176.35
49-2587-00	19" Flat Touch Screen	13-8551-123MA	265.20	246.30

TOUCH SCREEN CONTROLLERS

- 3M Touch Screen Controllers

MicroTouch™ 3M

Part Number		Price per ea.
49-1746-00	3M Microtouch Controller EXII-1720SC	100.45
49-1746-01	3M Microtouch Controller EXII-5710UC	130.60
49-1746-10	3M Microtouch Controller Programmed For Merit Megatouch XL	115.30
49-1746-POG	3M Microtouch Controller Programmed For POG	97.90
49-2175-00	3M Microtouch Controller SMT4 Used On Merit Force Classic/Elite/Fusion	256.40
49-2206-00	3M Microtouch Controller EXII-1010SC	117.30
49-2665-00	3M Microtouch Controller For Merit EVO Merit Ref# EC9846-01	129.95

49-1746-00

HAPP LCD AND CRT MONITOR REPAIR SERVICE

Ceronix, Kortek, Makvision, Neotec, Vision Pro and Wells Gardner

Las Vegas
2015 Helm Dr
Las Vegas, NV 89119
Phone: 866-736-AESI (2374)
Fax: 877-870-2259

Kortek Monitors
-LCD(up to 46")
-CRT

Wells Gardner Monitors
Ceronix Monitors
Tatung Monitors
Vision Pro Monitors
Keno Pens

Chicago
106 Garlisch Drive
Elk Grove, IL 60007
Phone: 888-BUY-HAPP (289-4277)
Fax: 800-593-HAPP (4277)

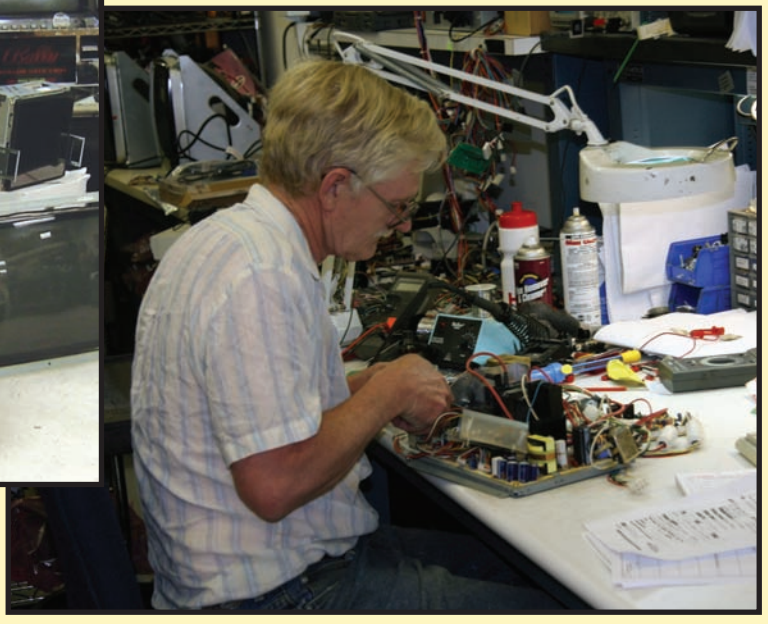
Kortek Monitors
-KT-2938
-KT-2914

Vision Pro Monitors
Wells Gardner Monitors
Neotec Monitors
Makvision Monitors

New Jersey
2547 Fire Rd Unit I9
Egg Harbor TWP, NJ 08234
Phone: 866-736-AESI (2374)
Fax: 877-870-2259

Kortek Monitors
-LCD (up to 46")

Note: Please phone or fax customer service at one of the numbers listed above for an RMA form and number. In order to properly handle your repair, your return must have an RMA number on it.



HAPP LCD AND CRT MONITOR REPAIR SERVICE

Monitor Repair Service

- Ceronix, Vision Pro, MakVision and Tatung Authorized service center
- Also repair Wells Gardner, Kortek, and Neotec
- Monitors repair includes burn-in test, touch calibration and bench test
- Factory trained technicians with over 30 years hands-on experience
- 5-day quick turnaround from receipt 180-day warranty on LCDs; 90-day warranty on CRTs

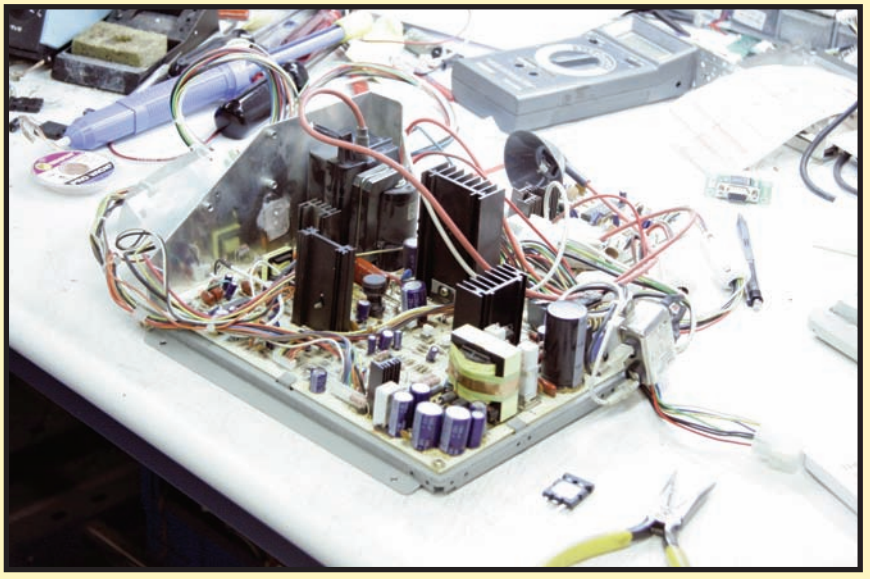
CRT and Chassis	Price
Repair plus replacement parts	$65.00
No Fault Found	$30.60

LCD (up to 27")	Price
Repair plus replacement parts	$65.00
No Fault Found	$30.60

LCD/Plasma (27"and higher)	Price
Repair plus replacement parts	$150.00
No Fault Found	$40.00

LCD with PC	Price
Repair plus replacement parts	$180.00
No Fault Found	$40.00

Note: Please phone or fax customer service for a RMA form and number. In order to properly handle your repair, your return must have an RMA number on it.

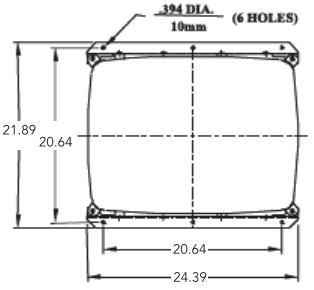


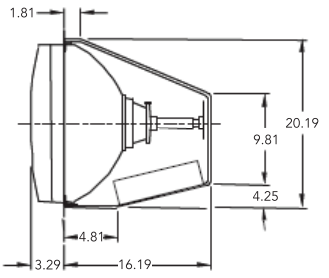
27"/29" MAKVISION TRI-MODE MONITOR

- Works in either Standard Resolution (CGA), Medium Resolution (EGA) or VGA Resolution
- Unit will also work with older Golden Tee games (Golden Tee, Golden Tee Fore and Golden Tee Fore 2002-2005)
- Universal mounting frame that will fit in most cabinet configurations
- Because of the flat CRT, you will need to replace with a 27" flat form fitted bezel (49-1857-00)
- UL Approved
- 1-Year warranty
- Power cord sold separately (49-5179-00)

MAKVISION INC.

CRT Size	29" (27V) Flat
Dot Pitch	0.79mm
Video Input	Analog 0.7VPP (75ø)/TTL 2.5-5.0VPP (2Kø)
Sync Input	TTL Level Positive/Negative/Separate or Composite
H-Frequency	15/24/31KHz
V-Frequency	47-70Hz
Bandwidth	65MHz
Resolution	640 x 480 max
Power Supply	100-240VAC 50/60Hz
Power Consumption	120W
Signal Connector	15-pin D-sub male connector
Weight	103 lbs
Approvals	TUV, S-Mark & UL

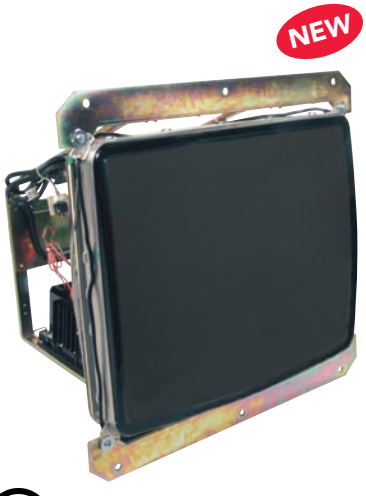




Part Number		Price per ea.
49-2715-00	27/29" Flat Tri-Mode Monitor (CGA/EGA/VGA)	489.95
49-2726-00	Replacement Chassis	285.60
49-5179-00	Power Cord	8.10
49-1857-00	27" Flat Monitor Bezel	20.80

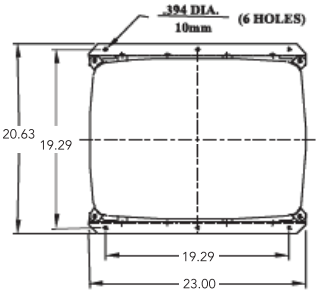
24.8" MAKVISION TRI-MODE MONITOR

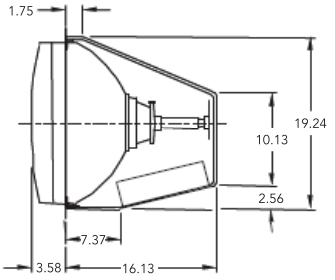
- Power cord sold separately (49-5179-00)
- Happ Exclusive
- Will work in either Standard Resolution (CGA), Medium Resolution (EGA) or VGA Resolution
- Get your EGA games back out on the street making money again
- Unit will also work with older Golden Tee games (Golden Tee, Golden Tee Fore and Golden Tee Fore 2002-2005)
- Universal mounting frame that will fit in most cabinet configurations
- UL Approved
- 1-Year warranty
- Monitor can be used with most standard form fitted 25" bezels



MAKVISION INC.

CRT Size	25" (24.8 viewable area) FS (Full Square)
Dot Pitch	0.79mm
Video Input	Analog 0.7VPP (75ø)/TTL 2.5-5.0VPP (2Kø)
Sync Input	TTL Level Positive/Negative/Separate or Composite
H-Frequency	15/24/31KHz
V-Frequency	47-70Hz
Bandwidth	65MHz
Resolution	640 x 480 max
Power Supply	100-240VAC 50/60Hz
Power Consumption	120W
Signal Connector	15-pin D-sub male connector
Weight	71 lbs
Approvals	TUV, S-Mark & UL





Part Number		Price per ea.
49-3056-00	Makvision 25" Tri-Mode Monitor	425.00
49-5179-00	Monitor Power Cord	8.10
49-2728-00	Replacement Chassis	244.80

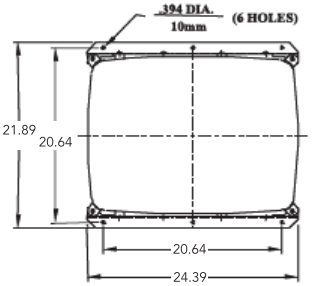
27" MAKVISION HIGH RESOLUTION MONITOR SVGA/XGA

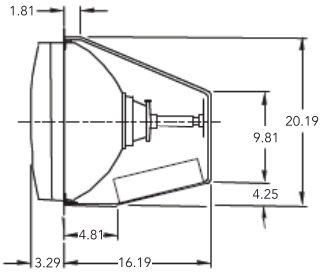
NEW

- Uses a high grade true-flat CRT
- Used by Incredible Technologies all newer Golden Tee Live and Silver Strike Bowling games
- Monitor Bezel sold separately (49-1857-00)
- UL Approved
- 1-year Warranty

CRT Size	29" (27V) Flat
Dot Pitch	0.68mm
Video Input	Analog 0.7VPP (75ø)/TTL 2.5-5.0VPP (2Kø)
Sync Input	TTL Level Positive/Negative/Separate or Composite
H-Frequency	30-50KHz
V-Frequency	47-90Hz
Bandwidth	90MHz
Resolution	1024x768 native
Image Adjustment	OSD
Power Supply	100-240VAC 50/60Hz
Power Consumption	70W
Signal Connector	15Pin D-Sub Male Connector
Safety	TUV, S-Mark, UL
Weight	103 lbs

MAKVISION INC.





Part Number		Price per ea.
49-2717-00	27" Makvision High Res. Monitor	509.99
49-5179-00	Power Cord	8.10
49-1857-00	27" Flat Monitor Bezel	20.80

MAKVISION DUAL RESOLUTION LCD MONITORS

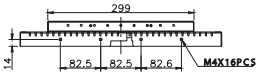
NEW

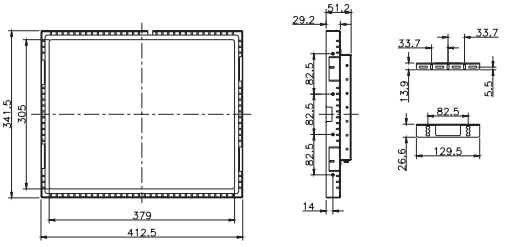
- Units work in CGA, VGA, SVGA or XGA resolutions
- Replace your outdated CRT monitors and give your games a fresh modern look
- LCD will auto-sync with most Amusement game board
- Makvision units have built in connectors that will mate with either a 6 and 10-pin RBG or a standard VGA plug
- Universal mounting frame allows you to mount the LCD vertically or horizontally
- Can be mounted in almost any cabinet configuration
- Units have a unique frame design that allows you to adjust the depth of the LCD panel to accommodate use of a touch screen
- Integrated unit includes touch screen and controller
- Power supply and cord included
- 1-year warranty from date of sale

Screen size	19.0"
Pixel Pitch (mm)	.294 x .294
Backlight	CCFL x 4
Response	5ms
Aspect Ratio	5 : 4
Viewing Angle	Horizontal 170°, Vertical 160°
Video Input	SXGA
H-Frequency	15 ~ 80 KHz
H-Frequency	48 ~ 75 Hz
Resolution	1280 x 1024
Contrast Ratio	700 : 1 Typ
Brightness	300 cd / m 2
Horizontal Size	376.32
Vertical Size	301.056
Colors	16.2M
Bandwidth	130 MHz
Power Consumption	45 watts max
Input	AC/DC Adaptor (Input 110 - 240 VAC, Output 12 VDC)
Input Signal	.7 Vpp Analog 75 ohm
Sync	TTL Level Separate, Composite
PC Interface	Analog interface
Signal Cable	Standard VGA cable w/15-pin D-sub
Operating Temp.	0° ~ 40° C
Humidity	10 ~ 85^%
Outer Dimension	412.5mm x 341.5mm x 51.2mm

MAKVISION INC.

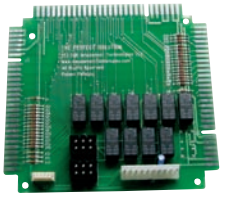
Part Number		Price per ea.
49-2773-00	19" Makvision LCD Monitor CGA/XGA Without Touch Screen	359.99
49-2773-10	19" Makvision Integrated LCD Includes Touch Screen and Controller	574.99





"THE PERFECT SOLUTION" DUAL GAME SWITCHER KIT

- Now you can run 2 games in one cabinet!
- Revolutionary kit contains all the necessary components to combine a Sliver Strike Bowling kit into an existing Golden Tee game, so you can operate both games in the same cabinet
- Will also work with Golden Tee Live kits
- Works with both Golden Tee green and red PCB boards
- Easy installation within 15 minutes



Part Number		Price per ea.
95-2807-00	The Perfect Solution Dual Game Kit	406.85

HAPP SELLS BRAND NAME QUALITY

CERONIX, ZIPPY, Master Lock, Lynde-Ordway, PYRAMID TECHNOLOGIES, INC., MAGLINER, CHAMPIONSHIP, AMERICAN LOCK, LOCTITE, PÄP-R Products, FEDERAL LOCK, Campbell, KEP, EMIT, MAG LITE, STREAMLIGHT, NEOTEC, WD-40, CHERRY, Stevens, Diamond/Xcelite, Ardac, Camie, Escort, INSTANT KRAZY GLUE, portasol P-1, GUARDIAN, KLOPP INTERNATIONAL, INC., MAGNER, NRI, ITW Devcon, FLUKE, EAGLE, NTE ELECTRONICS, INC., KESTER, mei, VISION PRO, SENCORE, COOPER Bussmann, HUBBELL Wiring Device Division, Lightwave, SPEAKERPRO, 3M, WESCO Industrial Products, Inc., kortek, AZKOYEN, Weller, molex, EVERPURE, BladeSmith, DURACELL PROCELL, Wiss, TECHSPRAY, ict, platt, MicroTouch 3M, Plumb, KEY-BAK, VELCRO FASTENING SYSTEMS, Robertson, Crescent, Dutro COMPANY

WELLS-GARDNER MONITORS

- ISO 9001 Certified
- High Clarity with True Colors
- Standard Wells-Gardner 1 year warranty
- UL listed, C.S.A. Certified
- Prismatic Color

WELLS-GARDNER SERIES K7700 MONITORS

SPECIFICATIONS
- CRT Size (Diagonal Measure): 13", 19"
- PHOSPHOR Type: P22
- CRT Etch: Polished Faceplate
- Striped Trio Spacing: 0.42mm & 0.63mm (13"), 0.71mm (19")

INPUT SIGNALS
- Input Connector: 0.156 Center Header
- Video Type: RGB Analog
- Video Input Impedance: 4.7K Ohm;
- Video Level: 1 to 5 Volts Peak-To-Peak
- Sync Type: TTL Sync; Separate Or Composite, Negative Or Positive
- Sync Input Impedance: 20K Ohm for Positive, 12K Ohm for Negative
- Horizontal Sync Frequency: 15.75 Khz
- Vertical Sync Frequency: 47 to 63 Hz

POWER INPUT
- Input Voltage: 90-264 VAC, 50-60 Hz; **No Isolation Transformer Required**
- Maximum Power: 70 Watts (19")

USER CONTROLS
- Remote Controls: Brightness, Contrast, Horizontal Centering, Vertical Size, Vertical Centering, Vertical Hold
- Internal Controls: Horizontal Hold, Horizontal Size, Focus

MISCELLANEOUS
- Operating Temperature: 0 to 55 Degrees C
- Agency Compliance: U.L., C.S.A., D.H.H.S. Radiation Performance Std.

RESOLUTION
- Graphic Modes: 640 x 200 (May Be Limited By The CRT)
- Video Bandwidth: 12 MHz Typical

Wells-Gardner Warranty: 1 Year

Part Number		Model No.	Price per ea.
49-0548-00	13" Std Resolution Horizontal Mount	WGM1377-Series	219.70
49-0536-00	19" Std Resolution Horizontal Mount	WGE1977-Series	232.65

Part Number		Price per ea.	L/100
43-0778-00	AMP Terminal Male for use on Wells Gardner 3-pin Power Connector Amp Ref. 350690-1	.27	.22
43-0779-00	AMP 3 Circuit Mate-N-Lock Plug for use on Wells Gardner 3-pin Power Connector Amp Ref. 1-480700-0	.57	.46

WELLS-GARDNER SERIES U3000 MONITORS

For the Gaming Market

SPECIFICATIONS
- CRT Size (Diagonal Measure): 14", 17", 19", 27", 33"
- PHOSPHOR Type: P22
- CRT Etch: Polished Faceplate
- Phosphor Trio Spacing: 0.28mm or 0.39mm (14"), 0.71mm (19")

INPUT SIGNALS
- Input Connector: 15 pin D-sub male; VGA compatible
- Video Type: RGB Analog
- Video Input Impedance: 75 Ohm: 470 Ohm optional
- Video Level: 0.7 Volts Peak-To-Peak
- Sync Type: Standard VGA/SVGA TTL sync; composite optional
- Sync Input Impedance: 4.7K Ohm
- Horizontal Sync Frequency: 31.5, 35 kHz
- Vertical Sync Frequency: 56 to 70 Hz

LIGHT OUTPUT
- 40 fl typical

GEOMETRY
- Horizontal linearity: +/- 5%
- Vertical linearity: +/- 5%
- Picture size regulation: 1%
- Geometric distortion: +/- 2% max

POWER INPUT
- Input Voltage: 90-264 VAC, 50-70 Hz; **No Isolation Transformer Required**
- Maximum Power: 130 Watts

USER CONTROLS
- Remote Controls: Brightness, Contrast, Horizontal Size, Horizontal Centering, Vertical Size, Vertical Centering
- Internal Controls: Horizontal Frequency, Vertical Frequency, Vertical Linearity, Focus

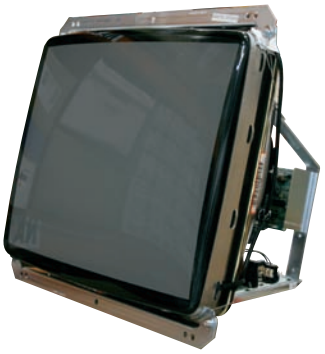
MISCELLANEOUS
- Operating Temperature: 0 to 55 Degrees C
- Agency Compliance: U.L., C.S.A., D.H.H.S. Radiation Performance Std., TUV

RESOLUTION
- Graphic Modes: Std Resolution 640 x 200, Mid-Resolution 640 x 400, VGA 640 x 480, SVGA 800 x 600
- Video Bandwidth: 25 MHz Typical

Wells-Gardner Warranty: 1 Year

Part Number		Model No.	Price per ea.
49-0681-00	19" VGA/SVGA Horizontal Mount	WGE1931 - Series	300.00
49-0831-00	33" Digital Tri-Mode	WGM3394 - Series	963.50

WELLS-GARDNER SERIES D9400 MONITORS



Used on the following Namco Games:
500 GP Simulator, MotoCross Go! Simulator,Time Crisis , Deluxe Upright Incredible Technology Big Buck Hunter, Golden Tee Fore® 2002 & 2003

SPECIFICATIONS
- CRT size (diagonal measure): 27" or 33"
- Phosphor type: P22
- Color Temperature: 8500°K +/- 500°K
- Dot trio spacing: 0.83 mm

INPUT SIGNALS
- Input connector: CGA/EGA: 0.156 center header VGA: 15 pin D-sub high density male
- Video input impedance:, CGA/EGA/VGA: 4.7K Ohm, VGA: 75 Ohm
- Video level: CGA/EGA: 2.2 Vp-p, VGA 0.7 Vp-p
- Video type: RGB analog
- Sync type: TTL sync; separate or composite, negative or positive
- Sync input impedance: 2.2K Ohm (H sync and V sync)
- Horizontal sync frequency: 15.75 to 31.5 Khz
- Vertical sync frequency: 45 to 90 Hz

LIGHT OUTPUT
- 60 Ft-L min. (center block) Geometry
- Horizontal linearity: +/- 7%
- Vertical linearity: +/- 5%
- Picture size regulation: +/- 2%
- Geometric distortion: +/- 2% max

POWER INPUT
- Input voltage: 90-264 VAC, 50-60 HZ;
- No isolation transformer required
- Maximum power: 150 watts

RESOLUTION
- Graphics modes: CGA: 640 X 200
  EGA: 640 X 400
  VGA: 640 X 480
- Video bandwidth: 25 MHz

USER CONTROLS
- PC bus remote controls: brightness, contrast, horizontal size, horizontal position, vertical size, vertical position, pin cushion, trapezoid, color temperature, factory setup recall
- Internal controls: Sub-brightness, focus, G2 (screen), raster tilt, HV adjust

MISCELLANEOUS
- Operating temperature: 0 to 55 degree C
- Agency compliance: UL6500, CSA, CB (IEC65), DHHS, CE
- Push button control board
- On-screen display

Wells-Gardner Warranty: 1 year

Part Number		Price per ea.
49-5203-00	27" Series D9400 Monitor	618.00
49-5203-20	27" Series D9400 Monitor For Golden Tee Fore® 2002 & 2003	659.50
49-0831-00	33" Digital Universal Mount	963.50

WELLS-GARDNER SERIES U3100 MONITORS

For the Gaming, PC and Industrial Market

SPECIFICATIONS
- CRT Size (Diagonal Measure): 14", 19"
- PHOSPHOR Type: P22
- CRT Etch: Polished Faceplate
- Dot Trio Spacing: 0.28mm (14"), 0.71mm (19")

INPUT SIGNALS
- Input Connector: 15 pin D-sub high density male; VGA compatible
- Video Type: RGB Analog
- Video Input Impedance: 75 Ohm: 470 Ohm optional
- Video Level: 0.7 Volts Peak-To-Peak
- Sync Type: Standard VGA/SVGA TTL sync; composite optional
- Sync Input Impedance: 470 Ohm (H sync), 1K Ohm (V sync)
- Horizontal Sync Frequency: 31.5, 35.5 kHz
- Vertical Sync Frequency: 56 to 87 Hz

Part Number		Price per ea.	L/100
43-0778-00	AMP Terminal Male for use on Wells Gardner 3-pin Power Connector Amp Ref. 350690-1	.27	.22
43-0779-00	AMP 3 Circuit Mate-N-Lock Plug for use on Wells-Gardner 3-pin Power Connector Amp Ref. 1-480700-0	.57	.46

LIGHT OUTPUT
- 40 fl typical

GEOMETRY
- Horizontal linearity: +/- 5%
- Vertical linearity: +/- 5%
- Picture size regulation: 2%
- Geometric distortion: +/- 2% max

POWER INPUT
- Input Voltage: 90-264 VAC, 50-60 Hz;
  No Isolation Transformer Required
- Maximum Power: 85 Watts

USER CONTROLS
- Remote Controls: Brightness, Contrast, Horizontal Size, Horizontal Centering, Vertical Size, Vertical Centering
- Internal Controls: Horizontal Hold, Vertical Hold, Vertical Linearity, Focus, G2 (screen)

MISCELLANEOUS
- Operating Temperature: 0 to 55 Degrees C
- Agency Compliance: U.L., C.S.A., D.H.H.S. Radiation Performance Std., TUV

RESOLUTION
- Graphic Modes: VGA: 640 x 200, 640 x 350, 640 x 480
  SVGA: 800 x 600, 1024 x 768 (interlaced)
- Video Bandwidth: 22 MHz Typical

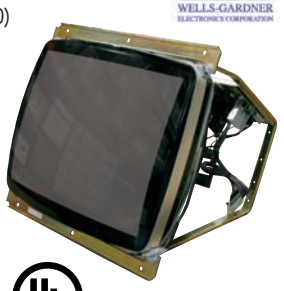
Wells-Gardner Warranty: 1 Year

Part Number		Model No.	Price per ea.
49-0829-00	19" VGA/SVGA Horizontal Mount	WGE1931-Series	319.99

WELLS GARDNER 24.8" STD RESOLUTION MONITOR

NEW

- Direct replacement for Wells 25" CGA universal monitor (49-0726-00)
- K7400 Series CGA
- No isolation transformer required
- Monitor can be used with most standard form fitted 25" bezels
- Universal mounting frame will fit in most cabinet configurations
- UL and CUL Approved 1-Year
- 1-Year Warranty



Part Number		Price per ea.
49-2580-00	24.8" STD Resolution Monitor Wells Gardner	462.95

TOUCH SCREENS AND MONITORS

SENSOR

See pages 325 and 328 for cleaners safe for use on touch screens (29-1018-00 Glass Cleaner and 29-1030-00 Touchdown Cleaner).

Part Number	Model Number		Price per ea.
49-0828-00	WGT1977-U2T274R	19" 19K7200 Wells-Gardner monitor with Elo touch screen assembly for VLC MicroTouch sensor Taped	873.45
49-0824-10	WGT1977-H0GS73R	19" K7200 Wells-Gardner monitor with MicroTouchscreen Bonded VLC	864.80

WELLS-GARDNER PARTS

Part Number	WG No.	Generic No.	Description	Price per ea.
49-0024-00	016X0208-001	F101	AGC Fuse 3A Fast Blow	.39
49-6136-00	054A3004-D06/P728		Chassis for 17" U3000	367.75
49-5179-00	038A7927-000		Power Cord With 3-pin Connector	8.10
49-1028-00	040X0639-006	VR8	Resistor Trim Pot 2K Ohm .3W	4.60
49-1052-00	040X0639-008	VR700	Trim Pot 10K Ohm .3W	3.45
49-1051-00	040X0639-014	VR101	Trim Pot 1K Ohm .3W	5.50
49-1047-00	040X0653-008	R543, 544, 545	Trim Pot 1K Ohm .5W	3.45
49-1042-00	040X0703-004	VR900, VR904	Trim Pot 5K Ohm .5W	4.60
49-1045-00	040X0703-007	VR906	Trim Pot 100K Ohm .5W	3.45
49-1046-00	040X0703-008	VR902, VR907	Trim Pot 200K Ohm .5W	4.75
49-1320-00	043X0481-003	R301	Resistor 220 Ohm 15W WW	1.95
49-7022-00	043X0484-006		Resistor	17.45
80-0079-00	045X0569-011	C57	Capacitor 47 MFD 160V	2.30
49-1031-00	046X0536-046	C38	Capacitor .39 UF 5% 200V	2.70
49-1030-00	046X0551-003	C36	Capacitor PP6100 2% 1500V	5.90
49-1286-00	047X0786-519	C727	Capacitor 2200PF 5% 50VP	1.15
49-3091-00	053X0632-001		Flyback Transformer	91.50
49-4037-00	053X0639-001		Flyback Transformer	69.80
49-1340-00	054A2193-021		Chassis Board	482.25
49-0823-00	054A7200-001		Chassis Board	243.75
49-1336-00	054A7401-001		Chassis Board	388.75
49-1296-00	066X0040-020	Z705	Zener Diode 9.1V .5W	2.15
68-0459-00	066X0040-046	Z601	Diode 1N5242B	.57
68-0451-00	066X0070-001	D200-D202	Diode 1N914B	.47
68-0455-00	066X0075-001	D014	Diode 1N4005	.36
49-3109-00	066X0090-001	D302	Diode	3.85
49-5122-00	066X0091-001		Rectifier	3.85
49-1290-00	066X0126-005	D708	Diode MUR490 900V 4A	4.20
49-1048-00	066X0135-001	D101-D104	Diode 1N5406	2.10
49-1282-00	066X0143-001	D704	Diode DD20R	7.60
49-1285-00	086X0074-001	Q601	Transistor 2SD525R	9.05
67-0407-00	086X0113-501	Q601, 602, 700	Transistor 2N3904	.60
67-0409-00	086X0114-501	Q509, 510, 511	Transistor 2N3906	.60
67-0400-00	086X0147-501	Q102	Transistor MPSA42	.60
49-1034-00	086X0185-501	Q703, 708	Transistor 2SC2482	11.50
49-1036-00	086X0187-001	IC2	IC Horz/Vert LA7823	13.65
49-4057-00	086X0190-001		Transistor	21.50
49-1049-00	086X0257-001	U101	IC UC3842AN	4.00
49-1261-00	086X0270-001	U500	IC LM1203N Video	16.00
49-1050-00	086X0274-001	U701	IC LA7850 Horizontal	13.35
49-1291-00	086X0286-001	Q704	Transistor 2SC3686	9.25
67-0601-00	086X0287-001	Q501, 503, 505	Transistor 2SC3782	4.25
49-1284-00	086X0290-001	Q500, 502, 504	Transistor 2SC3950	5.30
49-1310-00	086X0313-001	U302	IC 74LS86	4.05
49-1312-00	086X0326-001	U601	IC TDA1771	8.10
49-1311-00	086X0333-001	U702	IC Quad SN74LS136N	2.20
49-1306-00	086X0334-001	Q101	Transistor FET, SSP6N60	20.15
49-1308-00	086X0347-001	U600	IC TDA1175 Vertical	18.95
49-6133-00	P804		Control Board	14.65

15" CERONIX LCD IGT BAR TOP KIT

NEW

- Give new life to your old IGT CRT bar tops
- Kits are made with high grade Samsung panel and offers a better picture quality with no "Burn in", than traditional CRT's
- Units also include a durable plastic injection molded bezel which provides for easy installation
- Includes touch screen and controller
- Infra-red adjustment tool allows you easily make adjustment to the LCD picture
- LCD has a wide viewing angle (178° in all directions)
- Analog and digital inputs
- Supports up to 16.7 million colors
- 3-year warranty

Top View

Viewable size	15"
Native Resolution	1024 x 768
Aspect ratio	4:3
Contrast ratio	1000:1
Viewing angle	178° in Horizontal and 178° in Vertical directions
Input connectors	RGB 15-Pin D-Sub and DVI-D
Frequency	31.5-80KHz Horizontal, 56-75Hz Vertical
Dimensions (W x H x D)	11.625" x 13.8" x 3.674"

CERONIX

Bottom View

Part Number		Price per ea.
49-2732-00	15" Ceronix LCD IGT Bar Top Kit	749.00

TOUCH INTERNATIONAL TOUCH SCREENS

NEW

- Screens are high impact and scratch resistant
- Ideal for use in Amusement, Gaming and Kiosk Industry
- No drift or recalibration required
- Screens are unaffected by environmental factors; moisture, rain or temperature
- Surface finishes are anti-glare and anti-reflective
- Touch Durability: 50 million touches in a single location
- Available for CRT monitors or LCD displays
- Warranty is 5-years standard (Excluding vandalism)

TouchInternational
experience matters

Curved Screens

Part Number		Price per ea.
49-7030-AT	19" Touch International Curved Touch Screen	209.85
49-5352-AT	18" Touch International Curved Touch Screen	209.85
49-7031-AT	17" Touch International Curved Touch Screen	195.00
49-7032-AT	13" Touch International Curved Touch Screen	216.00

Flat Screens

Part Number		Price per ea.
49-2710-00	19" Touch International Flat Touch Screen	183.50
49-2692-00	17" Touch International Flat Touch Screen	156.95
49-2775-00	15" Touch International Flat Touch Screen	129.95

TOUCH SCREEN TAPE KIT

- Contains everything needed to tape a 13" or 19" touch screen
- Includes black foam tape, black double face tape, black cloth gasket and alcohol

Part Number		Price per ea.
49-4035-00	Touch Screen Tape Kit	19.99

RUBBER ADHESIVE TAPE FOR TOUCH SCREENS

- Holds the mask to the monitor
- Double sided, black rubber adhesive
- 1/2" wide x 1/32" thick
- Sold per roll, 36 yards per roll

Part Number		Price per ea.
43-1104-10	Rubber Adhesive Tape for Touch Screens	11.20

FOAM ADHESIVE TAPE FOR TOUCH SCREENS

- Provides a "dust gasket" around monitor
- Single sided, gray low density foam with acrylic adhesive
- Sold per roll, 18 yards per roll

Part Number		Price per ea.
43-1103-10	Foam Adhesive Tape 1/2"W x 1/4" Thick	18.15
43-1103-34	Foam Adhesive Tape 3/4"W x 1/4" Thick	18.15

ACETATE TAPE FOR TOUCHSCREENS

- Used to seal the touch screen and the CRT
- 1" wide black tape
- Adhesive on one side
- Sold per roll, 216 ft per roll

Part Number		Price per ea.
49-5195-00	Acetate Tape For Touchscreens	63.00

TOUCHSCREEN FOAM TAPE

- The tape of choice!
- Foam sealing tape is used to seal the entire overlay at the edges
- Save time and tape - because the tape is wide you only have to make one revolution around screen
- .032" thick
- Color: Black
- Sold per roll, 50 ft per roll

Part Number		Price per ea.
49-5196-00	Touchscreen Foam Tape	64.35

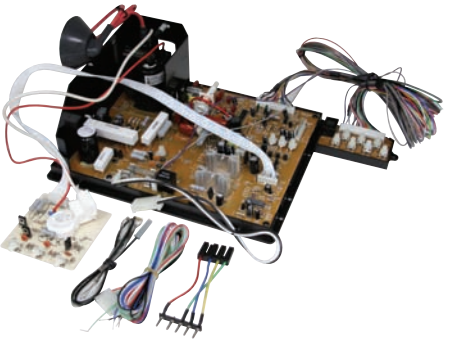
3M™ CLEAR TOUCH SCREEN TAPE

- Same adhesive tape used on 3M™ Microtouch Cleartek™ Touch Screens
- Transparent polyester film tape with acrylic adhesive
- Chemical resistant, also used for splicing, holding, sealing and protecting
- ?" wide x 72 linear yard roll, 1.9 mil
- Sold per each, available 12 rolls per box

Part Number		Price per ea.
39-0197-00	3M Translucent Touchscreen Tape	18.95

REPLACEMENT MONITOR CHASSIS BOARDS

- For Happ, Neotec, Electrohome and Wells-Gardner monitors



Part Number	Ref. No.	Description	Price per ea.
49-5376-00	A57-1003	Kristel 17" Used on WMS Gaming	315.20
49-1336-00	PCBKIT2574-RCA	Wells-Gardner 25" K7400 Series with Neck Board	388.75
49-1340-00	PCBKIT2575	Wells-Gardner 25" K7500 Series Mid-Resolution with Neck Board	482.25
49-2079-00	270100002	Neotec 27" Mid-Res	448.80

ISOLATION TRANSFORMER

- Input 120 volts
- Output 120 volts
- Output power 120 watts

Part Number		Price per ea.	L/25
80-2000-00	Isolation Transformer	17.85	14.30

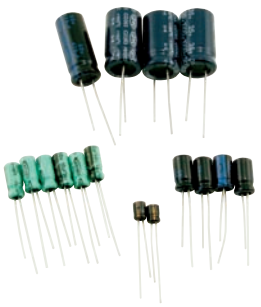
WIDTH COIL

- For Electrohome and Wells-Gardner monitors

Part Number		Price per ea.
49-0649-00	For Electrohome Monitors C30380-A / ZS-76-04	18.70

MONITOR REPAIR KITS

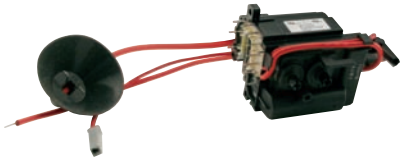
- Saves time & money on monitor repairs
- Monitor repair kits take care of picture warping, blacking out, smearing, brightness problems, poor voltage regulation, jail bars, vertical shrinking, etc.
- All kits come with complete instructions



Part Number	Kit No.	Monitor	Price per ea.
49-0094-00		Cap Kit NT2701 Neotech	11.50
49-5033-00	KIT530	Ceronix #1492	7.40
49-0549-201		19" Wells Gardner K4900	7.40
49-0549-401	KIT101	Electrohome GO7-CBO 19"	7.40
49-0729-102	KIT102	Electrohome GO7-FBO 13"	8.40
49-0687-00	KIT802	Hantarex MTC9000	8.40
49-5083-00	KIT810	Hantarex Polo	8.40
49-0549-001	KIT300	Happ 13" & 19" Includes caps, resistors, diodes & 6 power transistors	7.40
49-0549-701	KIT701	Matsushita TM202G 19"	8.40
49-5052-00	———	Neotec 33" NT31E	10.25
49-0549-301	KIT301	Nintendo Sanyo 19"	7.40
49-5385-00	KIT618	Sharp Image S1-325MR 25"	8.40
49-0292-00	KIT608	Sharp Image SI-327	7.40
49-5075-00	KIT550	Toei 19"	7.40
49-5070-00	KIT206	Wells-Gardner 19K6100 XY	24.25
49-5072-00	KIT270	Wells-Gardner 19K7302	8.40
49-0726-01	KIT207	Wells-Gardner K4500 25"	8.40
49-0549-101	KIT201	Wells-Gardner K-4600 series 19"	7.40
49-0549-201	KIT202	Wells-Gardner K-4900 series 19"	7.40
49-0544-00	KIT204	Wells-Gardner K-7000 series 13", 19", 25"	8.20
49-5073-00	KIT240	Wells-Gardner K7200	10.25
49-5071-00	KIT220	Wells-Gardner U2000	10.25
49-0293-00	KIT221	Wells-Gardner U5000	12.95
49-0224-00	KIT501	Wico Videomaster 13" & 19"	7.40

FLYBACK TRANSFORMER

- For use on various monitors



Part Number		Price per ea.
49-0481-00	Electrohome	63.25
49-3097-00	Hantarex "Polo"	63.25
49-0907-00	Kortek 13" and 19" and Samsung	36.55
49-0907-10	For Orion CRT	36.55
49-3031-00	Neotec 25" & 27" Std. Resolution	98.80
49-3041-00	Neotec 25" Mid-Resolution	98.80
49-0719-00	Wells-Gardner 25" U5000, 053X0624-001	104.05
49-0274-00	Wells-Gardner K7000, 053X0528-001	63.25
49-3091-00	Wells-Gardner U2000, 053X0632-001	91.50

VIDEO BRIGHTENER

- Revitalize your video game with Star Tech Journal's Video Brightener
- Reclaim earnings on those old and faded video monitors
- Enhance gameplay when vibrant colors are once again achieved
- Safe & easy installation
- Fits all 11" to 36" monitors Foreign and Domestic
- Clear precise directions for Wells-Gardner, Electrohome, Masushita, Hantarex, Nanao, Sanyo, Disco, Eygo
- Directions also included for Sony, Hitachi, GE & Toshiba

Part Number		Price per ea.
49-0815-00	Star Tech Journal Video Brightener	30.55

GENIE-ONE RGB PATTERN GENERATOR BY WELLS-GARDNER

- Five test patterns
- Tests MDA, CGA, EGA, VGA, SVGA, 8514/A and high resolution monitors
- Powered by 9 volt battery or external AC adaptor (not included)
- Two video connectors: Digital/TTL 9-D and Analog 15-HD
- Weight: 1 lb.
- Size: 1.5" x 3.8" x 5.7"
- Manufactured by Wells-Gardner

Part Number		Price per ea.
49-0734-00	Genie-One RGB Pattern Generator	386.25

MONITOR EXTENSION CABLE

- Used as VGA or SVGA monitor extension
- Extend your existing short monitor cable to provide useful flexibility
- DB15 Male on one end and DB15 Female on the other
- Ferrite cores on each end for noisesuppression
- Shielded cable with multi-coax construction provides a sharp, clear display
- 6' overall length
- 15 pin

Part Number		Price per ea.
55-0282-00	Monitor Extension Cable, 6'	9.25

UNIVERSAL COLOR TV ALIGNMENT TOOL KIT

- 5 different alignment tools for all standard adjustments
- All tools are made of Delrin in various colors for easy identification
- Included is the "Extend-it" to adapt each alignment tool for longer reach
- Kit contains 1 each:

"Extend-it" shaft extension
Zenith alignment tool
5" hex wrench
Hex iron core tool
Hex core tool
Double end tool

Part Number		Price per ea.
92-0196-00	Universal Color TV Alignment Tool Kit	7.20

COLD CATHODE ASSEMBLY FOR LCD MONITORS

NEW

- Fluorescent replacement for 18.1" LCD monitors including WMS BlueBird
- Convenient "plug-n-play" assembly
- Only two units required per monitor for complete change
- Color: White

Part Number		Price per ea.
91-1006-10	Cold Cathode For 18.1" LCD Monitors	85.70

SAFETY GLASS FOR 19" VISION PRO LCD

NEW

- Fits over LCD viewing area and provides protection from damage
- Apply glass as you would a touch screen
- Made from tempered treated glass

Part Number		Price per ea.
49-2770-00	Safety Glass for 19" Vision Pro LCD	17.95

* Other Sizes Available, Please Inquire

FOAM MONITOR BEZELS

- Decorative Dark Gray foam for use with various sized monitors
- Covers the areas outside of the monitor glass to give a clean appearance to any cabinet

Part Number		Price per ea.
49-0741-00	13" Monitor Bezel, Dark Gray Foam	12.80
49-0927-00	19" Monitor Bezel, Dark Gray Foam	15.10

PLASTIC MONITOR BEZELS

- Decorative black plastic bezel for use with various sized monitors
- Covers the areas outside of the monitor glass to give a clean appearance to any cabinet

Part Number		Price per ea
49-3090-00	13" Curved Monitor Bezel	15.70
49-0105-00	19" Curved Monitor Bezel	12.45
49-0123-00	25" Curved Monitor Bezel	23.40
49-0106-00	27" Curved Monitor Bezel	15.20
49-1857-00	27" Flat Screen Monitor Bezel,	20.80

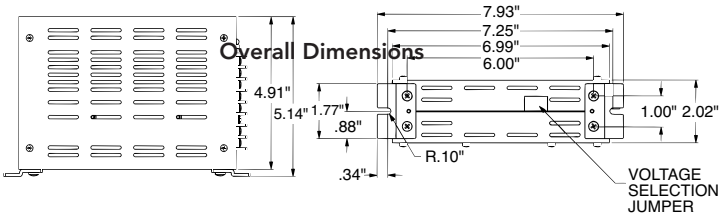
DEGAUSSING COIL

- Eliminates magnetic fields in CRT TV picture tubes or computer monitors as required prior to purity adjustments
- Coil is made to standard industry specifications and is completely encased in 13" diameter molded, high impact ABS plastic housing
- Supplied with 8 foot cord and momentary contact switch that permits de-energizing of coil without unplugging the unit
- Safe to use
- A must for every video repairman
- UL Approved
- 117 VAC, 60 Hz, 2.8 A

Part Number		Price per ea.	L/6
49-0559-00	Degaussing Coil	50.05	41.75

Power Pro 110W UL, CE POWER SUPPLY

- +5v 15A, +12v 2A, -5v 1A
- UL and CE Recognized
- 110 watts of power
- Tri-colored LED to monitor +5v control: Red = High, Yellow = Low, Green = OK
- Will accept wide #8 terminal
- Dual AC input 115vac/230vac, selectable by jumper
- Easy start-up
- Overload protection
- Black case
- 1 year warranty

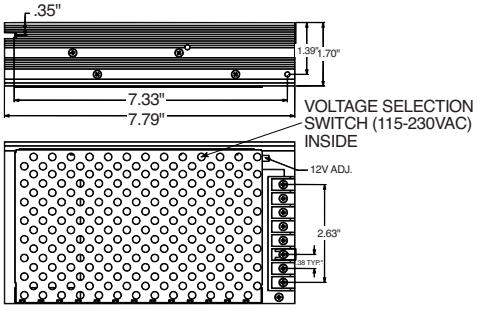


Part Number		Price per ea.	L/20
80-0064-00	Power Pro 110W UL, CE Power Supply	32.20	29.45

Power Pro 130W UL, CUL, CE POWER SUPPLY

- +5v 15A, +12v 4A, -5v 1A
- UL, CUL and CE recognized
- 130 watts of power
- Will accept wide #8 terminal
- Dual AC input 115vac/230vac, selectable by switch
- Extruded aluminum case can be mounted vertically, horizontally or against a wall
- Hi-pot tested
- Built-in EMI filter
- On/Off LED indicator
- Overload protection
- Silver case
- 1 year warranty

Overall Dimensions

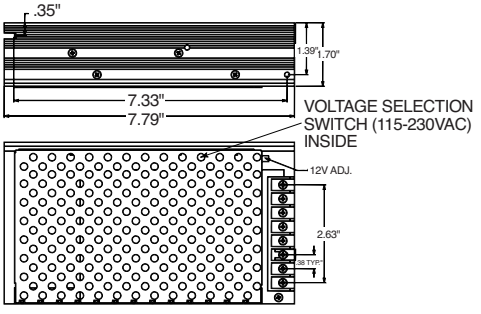


Part Number		Price per ea.	L/30
80-0210-00	Power Pro 130W UL, CUL, CE Power Supply	39.95	35.75

Power Pro 120W UL, CUL, CE POWER SUPPLY

- +12v 10A
- UL, CUL and CE recognized
- 120 watts of power
- Will accept wide #8 terminal
- Dual AC input 115vac/230vac, selectable by switch
- Extruded aluminum case can be mounted vertically, horizontally or against a wall
- Hi-pot tested
- Built-in EMI filter
- On/Off LED indicator
- Overload protection
- Silver case
- 1 year warranty

Overall Dimensions

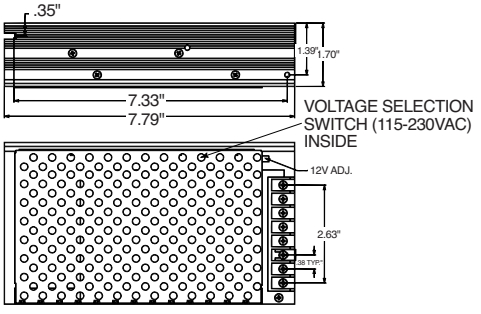


Part Number		Price per ea.	L/30
80-0215-00	Power Pro 120W UL, CUL, CE Power Supply	40.85	38.35

Power Pro 120W UL, CUL, CE POWER SUPPLY

- +24v 5A
- UL, CUL, and CE recognized
- 120 watts of power
- Will accept wide #8 terminal
- Dual AC input115vac/230vac, selectable by switch
- Extruded aluminum case can be mounted vertically, horizontally or against a wall
- Hi-pot tested
- Built-in EMI filter
- +24v DC output adjustable
- On/Off LED indicator
- Overload protection
- Silver case
- 1 year warranty

Overall Dimensions

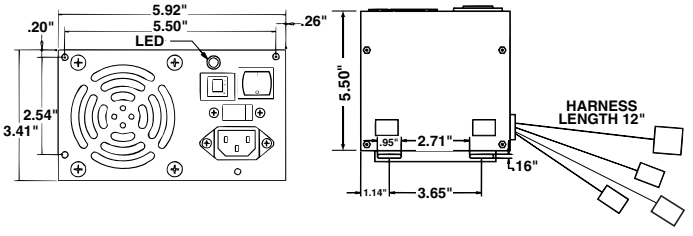


Part Number		Price per ea.	L/30
80-0216-00	Power Pro 120W UL, CUL, CE Power Supply	52.65	49.35

Power Pro DUAL SWITCH & REMOTE CAPABLE 200 WATT POWER SUPPLY

- +5v 20A, +12v 8A, -5v .5A, -12 .5A
- UL, CSA and CE Recognized
- 200 Watt power supply
- Great power supply for video games & video poker applications
- New Innovative Dual On/Off and Remote switch capable design.
- One switch on back and other on front of power supply to allow easy access to turn power On/Off
- Additional 8 Circuit Molex plug with +5vdc and +12vdc outputs for additional accessories
- Dual AC input 115vac/230vac, selectable by switch
- AC plug for hook-up of Bill Validator, 110vac 1.0A
- Metal case - AT size
- Physical Size: 3-1/2" High x 5-7/8" Wide x 5-1/2 Deep
- Supplied with 6' long SJT power cord
- 1 year warranty

Overall Dimensions



Part Number		Price per ea.	L/16
80-0002-10	200 Watt Dual Switch & Remote Capable Power Supply	30.90	28.85

POWER SUPPLY FOR GOLDEN TEE® FORE 2003 GAMES

NEW

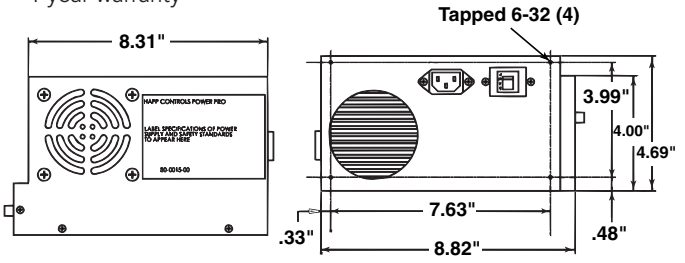
- For use in Golden Tee® Fore 2003
- Original replacement for dedicated games with a Red PCB. **Will not work for original Green PCB.**
- DC Output: 3.3V 14A, 5V 25A, -5V .5A, -12V 1A, 5Vsb 1.5A
- Switch selectable AC input 115VAC/230VAC
- Overload protected
- ATX size
- 267 watts
- Size: 5.9" L x 5.5" W x 3.3" H
- UL, TUV, CE approvals

Part Number		Price per ea.
80-1247-00	Power Supply for Golden Tee® Fore 2003	59.40

Power Pro ULTIMATE POWER SUPPLY WITH ON/OFF SWITCH - 150 WATT

- +5v 15A, +12v 5.5A, -5v 1A
- UL recognized, CSA
- Over voltage protection on +5v, a Happ exclusive
- Designed specifically for the coin-op industry
- Smoother start-up
- Better heat dissipation: three separate heat sinks
- Low ripple and noise, EMI filter
- Dual AC input 115vac/ 230vac, selectable by switch
- Complete overload and short circuit protection
- Built in DC fan and power switch
- Metal case - XT size
- Requires minimum 1.5 amp load on +5 for proper operation
- Supplied with 6' long SJT power cord
- 1 year warranty

Overall Dimensions



Part Number		Price per ea.	L/16
80-0015-00	Power Pro Ultimate Power Supply with On/Off Switch - 150 watt	42.05	38.90

Power Pro ULTIMATE 150 WATT POWER SUPPLY WITH EXTERNAL ON/OFF CABLE

- +5v 15A, +12v 5.5A, -5v 1A
- UL and CSA recognized
- External On/Off cable with 4-pin Molex
- Dual AC input 115vac/230vac, selectable by switch
- Low ripple and noise, EMI filter
- Overload and short circuit protection
- Built in DC fan and power switch
- Metal case – XT size
- Dimensions 8.74"L x 5.51"W x 4.65"H
- Supplied with 8' long SJT power cord
- Meets AMOA standard
- 1 year warranty

Part Number		Price per ea.	L/20
80-0072-00	Power Pro Ultimate 150 Watt Power Supply with External On/Off Cable	59.90	47.30

NOTE: On any power supply, when measuring a voltage output (+5v, +12v or -5v), set the voltage adjustment about half-way and make sure that the +5v output is connected to a minimum 1 amp load. The easiest way to do this is to measure the voltage with the power supply connected to a game board.

Power Pro REPLACEMENT POWER SUPPLY FOR POG

- Exact replacement for POG & other games
- UL , CUL, CE recognized
- +5v 12A, +12v 4A, -12v 1A
- L.E.D. power on indicator
- 1 year warranty

Part Number		Price per ea.	L/30
80-0003-UL	Power Pro Power Supply for POG	38.90	35.75

REPLACEMENT POWER SUPPLY FOR MERIT MEGATOUCH XL

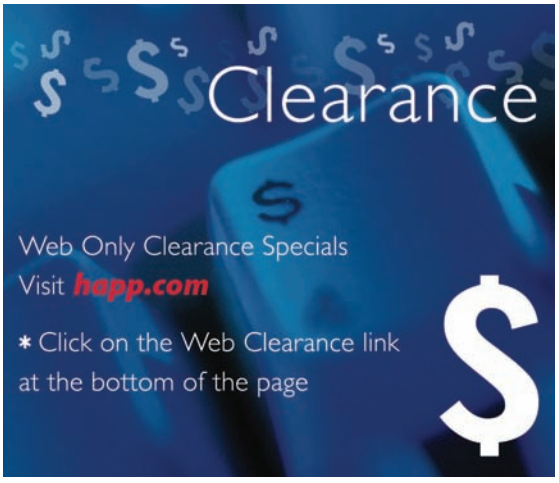
- Replacement for Merit MegaTouch XL
- AT style with fan and remote switch
- Manufacture Reference EC7528-02
- +5v 26A, +12v 9A, -5v 0.5A, -12v 0.5A
- 250 watt

Part Number		Price per ea.
80-0312-00	Power Supply for Merit MegaTouch XL	55.99

REPLACEMENT POWER SUPPLY FOR MERIT RADION FORCE/BLUE MAXX

- Exact Replacement for Merit Radion Force
- Manufacture Reference EC7531-03
- AT style with fan
- +5v 10A, +12v 2.5A, -12v 0.3A, +5vsb 0.8A, 3.3v 7A
- 110 watt

Part Number		Price per ea.
80-0312-03	Power Supply for Merit Radion Force	66.20
80-0006-35	Replacement Cooling Fan SA5 117-05	5.50



POWER SUPPLY FOR WMS BLUEBIRD

- For use in WMS Bluebird machines
- DC Output: +5V / 15A, +12V / 13A, +3.3V / 8A, +15V / 6A, +5Vsb / 1A
- 300W output max
- AC input 115VAC/230VAC
- Size: 5.9" L x 5.5" W x 3.3" H
- UL recognized, TUV and CE approved

Part Number		Price per ea.
80-0459-00	Power Supply for WMS Bluebird	92.65

Power Pro 200W POWER SUPPLY

- Replacement power supply for: Atari San Francisco Rush, Maximum Force, Cruisin', Gauntlet, Daytona USA, NFL Blitz, Silent Scope, Site 4, Vapor TRX , Rush 2049, Rush the Rock, Road Burners
- 5v 20A, 12v 8A, -5v .5A, -12v .5A
- 200 watts of power
- Metal case – XT size
- Overload protection
- Line Cord Included
- UL approved

Part Number		Price per ea.	L/12
80-0074-00	Power Pro 200W Power Supply	73.50	66.20

125W POWER SUPPLY FOR MERIT EVO PLUS

NEW

- Will also work with Fusion Upright/Wallette, Elite Edge and EVO Force
- SFZ Compliant
- Remote On/Off
- Input Voltage: 100 ~ 127 VAC
  200 ~ 240 VAC
- Frequency: 47 ~ 60 Hz
- Input current: 4.0 Arms @ 115 VAC
  2.0 Arms @ 230 VAC
- Holdup Time: > 14 ms @ Full Load
- Operating/Storage Temp: 10~50°C/-20~60°C
- 1-year warranty
- UL/CUL, CB, TUV, FCC and CE Approved
- Output Specification

Voltage	Regulation Load	Minimum Load	Maximum Load	Peak
+3.3V	+5%	0.2A	10.0A	--
+5.0V	+/- 5%	1.0A	12.0A	14.0A
+12.0V	+/- 5%	0.5A	3.0A	5.0A
-12.0V	+/- 10%	0A	0.3A	--
-5.0V	+/- 10%	0A	0.2A	Optional
+5 Vsb	+/- 5%	0A	0.8/2.0A	--

Part Number		Price per ea.
80-0312-06	125W Power Supply for Merit EVO Plus	59.99

POWER SUPPLY FOR GOLDEN TEE® LIVE GAMES

NEW

- For use in Golden Tee Live
- AC Input: 115/220-240V - , 7/3.5A, 60/50Hz
- MAX, DC Output: 300W (+3.3V & +5V=120W MAX)
- DC Output: +3.3V --- 20.0A(ORG), +5V ---- 20.0A(RED), +12V1 --- 8.0A(YEL)
  +12V2 --- 14.0A(YEL/BLACK), +5Vsb --- 2.0A(PURP), -12V --- 0.8A(BLUE)
- ATX size
- Approvals: TÜV, ЯU, CSA
- Includes line cord
- I.T. Ref. No. 745-000915

Part Number		Price per ea.
80-1247-60	300 Watt Power Supply for Golden Tee® Live	56.95

SWITCHING POWER SUPPLY FOR MERIT ION GAMES

NEW

- Original power supply used by Merit for ION games
- Merit ref# EC7538-01
- UL recognized, CSA approved
- AC Input: 115/230V~,5/3A,60/50Hz
- MAX. Output power: 200W (max. ambient 35°C)
  (+3.3V & +5V=75W Max) (+3.3V & +5V & +12V=186.5W Max)
- Output power 150W (max. ambient 50°C)
  (+3.3V & +5V=61.5W Max) (+3.3V & +5V & +12V=186.5W Max)
- 1-Year warranty

Part Number		Price per ea.
80-0312-10	Switching Power Supply For Merit ION Games	56.99

POKER REMOTE

- For use in various applications where remote switching access is required
- RF Remote control system with 1 button Transmitter
- A press of the button on transmitter activates relay for 2 seconds
- Non-programmable

Part Number		Price per ea.
49-0712-00	Poker Remote Control, Non-Programmable	38.85
49-0712-00S	Replacement Transmitter Only	12.45

P.C. BOARD HOLDER

- Durable black nylon plastic construction
- Great for use within Universal Kit Cabinets
- Height adjustable from 4-1/2" to 12-1/2" to hold small or large PCB's
- Able to hold multi-level PCB's
- Mounts to wall of cabinet via molded mounting holes

Part Number		Price per ea.	L/25
49-0007-01	P.C. Board Holder	11.55	9.75

REPLACEMENT POWER SUPPLY BOARD FOR BALLY SLOTS

- For Bally Pro Series slots V7000 & V7200 & 5000
- Just replace the board and save $$
- 63.5 watts, 5.5 amps
- UL, CE, CSA Approved

Part Number		Price per ea.	L/6
80-1178-00	Power Supply Board	36.75	31.50

STEP-UP TRANSFORMER

- Auto-Transformer, Step-Up
- Allows operation of U. S. video games and other equipment in other countries
- Converts 110 VAC to 220 VAC
- 50Hz – 60Hz
- Maximum 300 Watts
- Case Dimensions: 3.875" H X 3.125" W X 3.875"

Part Number		Price per ea.
80-0044-00	Step-Up Transformer	82.05

ISOLATION TRANSFORMER

- Input 120 volts
- Output 120 volts
- Output power 120 watts
- UL recognized

Part Number		Price per ea.	L/25
80-2000-00	Isolation Transformer	17.85	14.30

POWER SUPPLY COOLING FAN

- For use in Computer grade power supplies
- 12vdc
- Size: 3-1/8"square x 1"

Part Number		Price per ea.	L/10
80-0006-33	Cooling Fan With Sleeve Bearings	4.65	4.10
80-0006-34	Cooling Fan With Ball Bearings	8.00	7.30

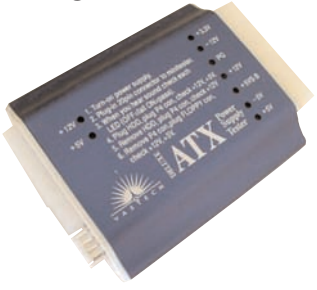
TRIPP LITE INTERNET OFFICE 550 UPS SYSTEM

- 8 Outlets (4 UPS/surge, 4 surge only)
- Built-in RJ11 jacks provide complete modem/phone protection
- DB9 communications port and free software facilitate unattended shutdown
- $25,000 connected equipment insurance (USA & Canada only)
- 525VA / 300 watts supports entry-level PC systems for several minutes
- Attractive stealth black UPS color scheme
- Includes 6 ft. AC power cord, on/off power switch
- Compact cabinet design fits easily on or under any desk
- Built-in audible alarm and front panel LEDs
- 2 year product warranty
- 8 lbs.

Part Number		Price per ea.
80-0408-01	TRIPP LITE Internet Office 550 UPS System	62.95

VASTECH DELUXE ATX POWER SUPPLY TESTER

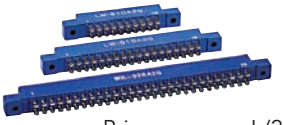
- Save time troubleshooting annoying output problems
- Connects to any ATX power supply
- Four connectors tests all outputs and signals
- LED status lights indicate which components pass or fail
- 1-year warranty



Part Number		Price per ea.
92-2084-00	Vastech Deluxe ATX Power Supply Tester	14.70

EDGE CONNECTORS

- Dual row connector
- Available in 20, or 56 pin configurations



Part Number		Price per ea.	L/25
49-0011-00	56 Pin "Jamma" Connector (w/Solder Terminals)	3.75	3.45
49-0011-56	56 Pin "Jamma" Connector for Push-in Terminals (w/o Terminals)	3.45	3.25
49-0276-00	Push-in Terminals for 49-001-56 Connector	.22	.20

JAMMA CABLE ASSEMBLIES

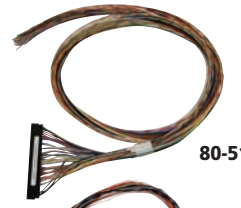
- Labeled for ease of identification
- Universal design for 2 player games
- 5' length – fits any cabinet

JAMMA CABLE

- Jamma edge connection with wires for power, speakers, coin switches, start switch and controls

SUPER JAMMA CABLE

- Same as Jamma Cable but complete with 2' long Molex connected control panel harness with .187" connectors



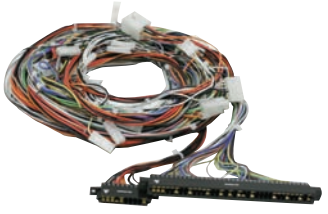
80-5100-00

80-5000-00

Part Number		Price per ea.	L/25
80-5100-00	"Jamma" Cable	20.55	19.35
80-5000-00	Super "Jamma" Cable	42.70	40.20

8-LINE HARNESS

- Standard six button 8-line upright cabinet harness
- Additional "Dummy" terminals installed in edge connector for additional hook up's
- Button wires are broken-out for easy use



Part Number		Price per ea.
95-0634-00	8-Line Harness	27.90

REPLACEMENT HARNESS FOR POG CABINETS

- Update your old and worn out harness
- Made from high quality material
- Harness will work on all POG wooden cabinets
- Other replacement components available

95-2396-00 (Shown)

Part Number		Price per ea.
95-2396-00	Harness For POG With Wooden Cabinet	49.99
96-0630-00	Printer Cable For POG	4.95
96-0629-00	Touch Screen Adapter Harness For POG	4.95
96-0628-00	Combo Harness For MEI Power and Printer Bypass For POG	6.95

POWER SUPPLY CORDS

- 10 foot cord (unless noted)
- E58406
- 18 AWG/3 wires
- Round type – SJT
- 105°C temperature

80-1200-00 NAFTA

80-1205-00 UNIVERSAL
80-0213-00 UNIVERSAL

Part Number		Price per ea.	L/25
80-1200-00	NAFTA Power Supply Cord – Round 8ft.	2.70	2.40
80-1205-00	Universal Power Cord F/Power Supplies, 6 Feet	2.70	2.40
80-0213-00	Universal Power Cord, 8 ft., 16 Gauge	11.80	9.65
80-0032-00	18 Gauge, 6 Feet	2.19	1.95
801004	PS2 Style End, 6 Feet	2.19	1.95

INTERLOCK SWITCH

- E68-00A SPDT, 0.1 amp
- E68-01A SPST, 0.1 amp
- E69-00A SPDT, 10 amp
- E69-30A SPDT, 10 amp
- E79-00A DPDT, 10 amp
- E79-30A DPDT, 10 amp
- E79-40A DPDT, 10 amp
- UL/CSA Listed

E68/69 Style

E78/79 Style

Part Number		Price per ea.	L/25
53-7031-00	Interlock Switch, E68-00A	3.00	2.65
53-7010-00	Interlock Switch, E69-00A	5.25	4.30
53-7020-00	Interlock Switch, E69-30A	2.50	2.40
53-7011-00	Interlock Switch, E79-00A	4.20	3.55
53-7030-00	Interlock Switch, E79-30A	3.75	3.40
53-7028-00	Interlock Switch, E79-40A	4.00	3.20
42-0578-00	Bracket for E68 & E69 Interlock Switches	1.60	1.40

ON/OFF SWITCH

- 6A/125 VAC
- Double pole single throw
- UL/CSA listed

Part Number		Price per ea.	L/25
49-0005-00	On/Off Switch	5.20	4.65

Visit Our Web Site:
happ.com
for NEW Product Updates!!

POWER SUPPLY QUICK REFERENCE

GAME	MFG.	PART NUMBER	DESCRIPTION
AREA 51	ATARI	80-0004-00 80-1152-00 80-0074-00	POWER SUPPLY +5V@20A, +12V@8A, -5V@.5A, -12V@.51 MP4200C POWER SUPPLY UL+5V 20A/+12V/8A -5V/0.5A/-12V/0.5A DUAL ON/OFF POWER SUPPLY 5V@20A, 12V@8A, -5V@.5A, -12V@.5A' FAN HDD NO CORD 12 PIN MAIN OUT
AREA 51 SITE 4	ATARI	20-10726	POWR S. SWTCHR 150w UL/LSA/UDE
ARTIC THUNDER	MIDWAY	20-10726	POWR S. SWTCHR 150w UL/LSA/UDE
BLITZ	MIDWAY	80-20167-0	PWR SUPP 5V16A, 12v6A, -5v.5A -12v.5A
BLUE MAXX	MERIT	80-0314-00	
BROMELY	BROMELY	80-0021-00	POWER SUPPLY UL +5V16A,+12V6A -5V0.5A W/ EXTERNAL ON/OFF
BEAT THE CHAMP	KONAMI	80-0072-00	POWER SUPPLY ULT W/REMOTE, ON/OFF CABLE NO ON-OFF CASE
CALIFORNIA SPEED	ATARI	80-20167-0	POWER SUPPLY 5V@16A, 12V@6A, -5V@.5A, -12V@.5A
CADILLAC JACK	CADILLAC JACK	80-1152-00 80-0036-00	POWER SUPPLY UL+5V 20A/+12V/8A -5V/0.5A/-12V/0.5A DUAL ON/OFF
CARNEVIL	MIDWAY	80-20167-0	POWER SUPPLY 5V@16A, 12V@6A, -5V@.5A, -12V@.5A
CART FURY	MIDWAY	80-1060-01	POWER SUPPLY UP-700-250 PETER CHOU
CHAMPIONSHIP RALLY	SEGA	80-0027-UL	POWER SUPPLY MINI 15A 120 WATT, 5V@15A, 12V@3A, -5V@IA UL
CRISIS ZONE STD/DLX	NAMCO	80-1060-02	
CRUISIN EXOTICA	MIDWAY	80-1060-01	POWER SUPPLY UP-700-250 PETER CHOU
CRUISIN USA	WILLIAMS	80-0074-00	POWER SUPPLY 5V@20A, 12V@8A, -5V@.5A, -12V@.5A' FAN HDD, NO CORD 12 PIN MAIN OUT
CRUISIN WORLD	WILLIAMS	80-20167-0	POWER SUPPLY 5V@16A, 12V@6A, -5V@.5A, -12V@.5A
CYCLONE	I.C.E.	80-0210-00	POWER SUPPLY 5V@15A, 12V@4A, -5V@1A 104 WATT UL, CE, TUV
DAYTONA USA	SEGA	80-0074-00	POWER SUPPLY 5V@20A, 12V@8A, -5V@.5A, -12V@.5A' FAN HDD NO CORD 12 PIN MAIN OUT
EVIL KNIGHT	KONAMI	80-0072-00	POWER SUPPLY ULT W/REMOTE ON/OFF CABLE NO ON-OFF ON CASE
FORCE	MERIT	80-0214-00	
GAUNTLET	ATARI	80-0074-00	POWER SUPPLY 5V@20A, 12V@8A, -5V@.5A, -12V@.5A' FAN HDD NO CORD 12 PIN MAIN OUT
GOLDEN TEE W/GREEN GAME BOARD	INCREDIBLE TECH.	80-0002-01	PWR SUPP UL 5V20A,12V8A,-5V.5A -12V.5A CORD,W/ DUAL ON/OFF SW
GOLDEN TEE W/RED GAME BOARD	INCRDIBLE TECH.	80-1247-00	
GRID	MIDWAY	80-1060-01	POWER SUPPLY UP-700-250 PETER CHOU
GTI	KONAMI (AMERICA)	80-0072-00	POWER SUPPLY ULT W/REMOTE ON/OFF CABLE NO ON-OFF ON CASE
GTI CLUB	KONAMI	80-0072-00	POWER SUPPLY ULT W/REMOTE ON/OFF CABLE NO ON-OFF ON CASE
HOUSE OF THE DEAD	SEGA	80-1152-00 80-0036-00	POWER SUPPLY UL+5V 20A/+12V/8A -5V/0.5A/-12V/0.5A DUAL ON/OFF
HYDRO THUNDER	MIDWAY	20-10552	POWER SUPPLY - HYDROTHUNDER
HYPER DRIVE	MIDWAY	80-20167-0	PWR SUPP 5V16A, 12v6A, -5v.5A -12v.5A
I.T. COUNTER '97	INCREDIBLE TECH.	80-0209-00	POWER SUPPLY 200 WATT/FULL SIZE XT PACKAGE PETER CHOU
I.T. GOLF GAMES	INCREDIBLE TECH.	80-0002-10	PWR SUPP UL 5V20A,12V8A,-5V.5A -12V.5A CORD,W/ DUAL ON/OFF SW
KILLER INSTINCT	MIDWAY	80-20167-0	PWR SUPP 5V16A, 12v6A, -5v.5A -12v.5A
KONAMI	KONAMI	80-0072-00	POWER SUPPLY ULT W/REMOTE ON- OFF CABLE NO ON-OFF ON CASE
KONAMI	KONAMI	80-0209-00	POWER SUPPLY 200 WATT/FULL SIZE XT PACKAGE PETER CHOU
LETHAL ENFORCER	KONAMI	80-0072-00 170150	POWER SUPPLY ULT W/REMOTE ON- OFF CABLE NO ON-OFF ON CASE
MAXIMUM FORCE	ATARI	80-0074-00	POWER SUPPLY 5V@20A, 12V@8A, -5V@.5A, -12V@.5A, 12 PIN AMP
MERIT	MERIT	80-0013-00	POWER SUPPY 12 AMP PETER CHOU +5V12A,+12V3A,-5V1A NON-UL
MERIT MEGATOUCH	MERIT	80-0312-00	POWER SUPPLY FOR MERIT MEGATOUCH XL SERIES
MORTAL COMBAT (ALL SERIES)	MIDWAY	80-0200-00	POWER SUPPLY 5V@15A, 12V@4A, -5V@1A 104 WATT, UL CE TUV
NAMCO	NAMCO	80-0209-00	POWER SUPPLY 200 WATT/FULL SIZE XT PACKAGE PETER CHOU
NAMCO GUN GAMES	NAMCO	80-0216-00	POWER SUPPLY +24VDC 5 AMP TERM STRIP MP20120E UL, CUL, CE
NBA ON NBC	MIDWAY	80-0074-00	POWER SUPL 5V20A,12V8A,-5V.5A -12V.5A, 12 PIN AMP REM
NBA PLAY BY PLAY	KONAMI	80-0072-00	POWER SUPPLY ULT W/REMOTE ON/OFF CABLE NO ON-OFF ON CASE
NBA SHOWTIME	MIDWAY	80-20167-0	PWR SUPP 5V16A, 12v6A, -5v.5A -12v.5A
NEO GEO	SNK	80-0072-00 170150	POWER SUPPLY ULT W/REMOTE ON- OFF CABLE NO ON-OFF ON CASE
NFL BLITZ	WILLIAMS	80-0074-00	POWER SUPPLY 5V@20A, 12V@8A, -5V@.5A, -12V@.5A' FAN HDD NO CORD 12 PIN MAIN OUT
NINTENDO MISC.	NINTENDO	80-0200-00	POWER SUPPLY 5V@15A, 12V@4A, -5V@1A 104 WATT UL, CE, TUV
OFF ROAD	MIDWAY	80-20167-0	POWER SUPPLY 5V@16A, 12V@6A, -5V@.5A, -12V@.5A
OPEN ICE	MIDWAY	80-20167-0	PWR SUPP 5V16A, 12v6A, -5v.5A -12v.5A
PHOTO BOOTH	PHOTO VEND	80-0015-00	XT POWER SUPPLY 150 WATT, WITH SWITCH ON CASE, W/POWER CORD
POG	LEISURE TECH	80-0003-UL	POWER SUPPLY 5V@12A, 12V@4A, -12V@1A MP21120A - NLA AFTER STOCK DEPLETED- USE 80-0003-UL SAME SPECS AS ABOVE-UL APPR.
RADICAL BIKER	ATARI	80-20167-0	PWR SUPP 5V16A, 12v6A, -5v.5A -12v.5A
RADION COUNTERTOP	MERIT	80-0314-00	
ROAD BURNERS	ATARI	80-0074-00	POWER SUPPLY 5V@20A, 12V@8A, -5V@.5A, -12V@.5A' FAN HDD NO CORD 12 PIN MAIN OUT

POWER SUPPLY QUICK REFERENCE CONTINUED

GAME	MFG.	PART NUMBER	DESCRIPTION
RUSH THE ROCK	ATARI	80-0074-00	POWER SUPPLY 5V@20A, 12V@8A, -5V@.5A, -12V@.5A' FAN HDD NO CORD 12 PIN MAIN OUT
SAN FRANCISCO RUSH	ATARI	80-0074-00	POWER SUPPLY 5V@20A, 12V@8A, -5V@.5A, -12V@.5A, 12 PIN AMP
SAN FRANCISCO RUSH 2049	ATARI	80-0074-00	POWER SUPPLY 5V@20A, 12V@8A, -5V@.5A, -12V@.5A' FAN HDD NO CORD 12 PIN MAIN OUT
SILENT SCOPE	KONAMI	80-0074-00 80-1152-00 80-0036-00	POWER SUPPLY 5V@20A, 12V@8A, -5V@.5A, -12V@.5A' FAN HDD NO CORD 12 PIN MAIN OUT POWER SUPPLY UL+5V 20A/+12V/8A -5V/0.5A/-12V/0.5A DUAL ON/OFF
SITE 4	ATARI	80-0074-00	POWER SUPPLY 5V@20A, 12V@8A, -5V@.5A, -12V@.5A, 12 PIN AMP
SKEEBALL	SKEEBALL	80-0021-00	POWER SUPPLY UL +5V16A,+12V6A -5V0.5A W/ EXTERNAL ON/OFF
THRILL DRIVE	KONAMI	80-0072-00	POWER SUPPLY ULT W/REMOTE ON/OFF CABLE NO ON-OFF ON CASE
TIME CRISIS	NAMCO	80-0216-00 80-1060-02	POWER SUPPLY +24VDC 5 AMP TERM STRIP MP20120E UL, CUL, CE
TIME CRISIS 2	NAMCO	80-0216-00 80-1060-02	POWER SUPPLY +24VDC 5 AMP TERM STRIP MP20120E UL, CUL, CE
TOUCHMASTER	MIDWAY UPRIGHT	80-20167-0 A21149	PWR SUPP 5V16A, 12v6A, -5v.5A -12v.5A
TOUCHMASTER	MIDWAY COUNTERTOP	80-20167-0	PWR SUPP 5V16A, 12v6A, -5v.5A -12v.5A
VAPOR TRX	MIDWAY	80-0074-00	POWER SUPPLY 5V@20A, 12V@8A, -5V@.5A, -12V@.5A' FAN HDD NO CORD 12 PIN MAIN OUT"
VIDEO POKER	VARIOUS GAMES	80-0002-10	POWER SUPPLY UL 5V@20A, 12V@8A -5V@.5A, -12V@.5A CORD, W/DUAL ON/OFF SWITCH
VIRTUA FIGHTER	SEGA	80-0015-00	
WAR FINAL ASSAULT	ATARI	80-20167-0	PWR SUPP 5V16A, 12v6A, -5v.5A -12v.5A
WAR GODS	MIDWAY	80-20167-0	PWR SUPP 5V16A, 12v6A, -5v.5A -12v.5A
ZL-5000 C/T & U/R	MERIT	80-0312-00	

HAPP SELLS BRAND NAME QUALITY

AUTHORIZED BILL VALIDATOR SERVICE CENTER

MEI, Pyramid, CashCode, and ICT Bill Validators

Las Vegas	Chicago	New Jersey
2015 Helm Dr Las Vegas, NV 89119 Phone: 866-736-AESI (2374) Fax: 877-870-2259 **MEI Bill Validators** -SC Series Cashflow -Series 3000 -Series 2000 -ZT Series	106 Garlisch Drive Elk Grove, IL 60007 Phone: 888-BUY-HAPP (289-4277) Fax: 800-593-HAPP (4277) **MEI Bill Validators** -Series 2000 **CashCode Bill Validators** **Pyramid Bill Validators**	2547 Fire Rd Unit I9 Egg Harbor TWP, NJ 08234 Phone: 866-736-AESI (2374) Fax: 877-870-2259 **MEI Bill Validators** -SC Series Cashflow -ZT Series

mei

PYRAMID TECHNOLOGIES, INC.
CURRENCY VALIDATION EXPERTS

ICT

CashCode®

Note: Please phone or fax customer service at one of the numbers listed above for an RMA form and number. In order to properly handle your repair, your return must have an RMA number on it.

AUTHORIZED BILL VALIDATOR SERVICE CENTER

- Factory authorized service center for MEI and CashCode bill validators
- All refurbished validators are completely disassembled and cleaned, worn or defective parts are replaced, and the unit is reassembled, calibrated and tested
- Factory trained technicians with over 30 years hands-on experience
- 6-month warranty
- 5-day turnaround time

Bill Validator Repair Prices

MEI Cashflow RTU	Price
Repairs plus replacement parts	$65.00
Repairs with no replacement parts (includes any download/cleaning/calibration)	$32.50
No Fault Found (Bench tested and no fault found)	$22.50
Software Update (Per customer request - download only no testing involved)	$20.00

MEI Cashbox and Chassis	Price
Cashbox repair plus parts	$38.00
Cashbox repairs with no replacement parts (includes cleaning and prism alignment)	$22.50
No Fault Found	$11.50

MEI Series 3000 RTU	Price
Repairs plus replacement parts	$65.00
Repairs with no replacement parts (includes any download/cleaning/calibration)	$32.50
No Fault Found (Bench tested and no fault found)	$22.50
Software Update (Per customer request - download only no testing involved)	$20.00

MEI Series 3000 Cash Can	Price
Chassis Repair plus replacement parts	$27.00
No Fault Found (Bench tested and no fault found)	$22.50

MEI Series 2000	Price
RTU Repairs plus replacement parts	$38.25
No Fault Found (Bench tested and no fault found)	$22.50
Software Update (Per customer request - download only no testing involved)	$20.00

MEI ZT Series	Price
RTU Repairs plus replacement parts	$65.00
RTU Repairs with no replacement parts (includes any download/cleaning/calibration)	$32.50
No Fault Found (Bench tested and no fault found)	$22.00
Software Update (Per customer request - download only no testing involved)	$20.00

CashCode	Price
Repairs plus replacement parts	$38.25
No Fault Found (Bench tested and no fault found)	$22.50
Software Update (Per customer request - download only no testing involved)	$20.00

When it comes to games, "almost" is never good enough.

Keep your games running, not your service technicians.

Don't lose profits by using bill acceptors that don't deliver the reliability and performance you need. With a massive field base of more than 2,000,000 units, MEI Series 2000 bill acceptors reflect continuous improvement. This includes a less-than-2% annualized failure rate. Competitive bill acceptors just can't compete with our proven track record.

As the world's best-selling bill acceptor, the Series 2000 uses 100% optical scanning technology to increase bill acceptance, resulting in the industry's lowest jam rate. That means more uptime, increased revenue, and fewer service calls for every machine you operate.

Stay ahead of the game with MEI.

For more information or to place an order, contact HAPP at 888-BUY-HAPP, or online at www.happ.com

mei®

www.meigroup.com

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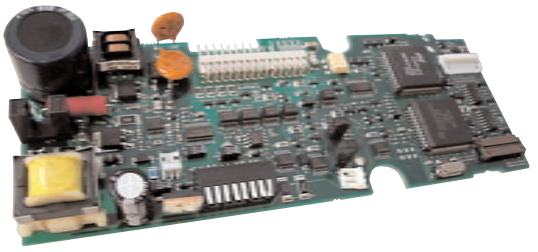
MEI is ISO 9001:2000 Certified

CONTROL BOARD UPGRADE WITH EXPANDED CAPABILITIES FOR MEI AE2600 BILL VALIDATORS

This new control board upgrade adds new features to existing AE2600

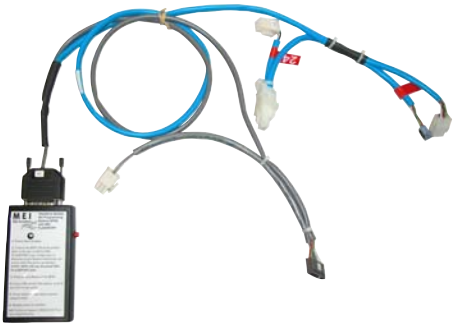
- Software programmed to take NexGen $20
- Ability to accept MEI custom coupons used for refunds, promotions, etc.
- Additional memory to accept future upgrades,- $5 & $10 is under redesign evaluation (the memory on current AE2600 is near capacity)
- Hard reset capability
- Available for either 115v or 24v MEI AE2600 validators



Part Number		Price per ea.
42-0740-00	Control Board Upgrade – 24v	94.55
42-0741-00	Control Board Upgrade – 115v	97.75

MEI NEXGEN $10 UPGRADES

- **On March 2nd, 2006 U.S. Federal Reserve Banks began distributing the new $10 note through commercial banks to the U.S. public**
- Order your upgrades now from Happ and make sure your MEI Validators accept the new bills
- Upgrades are done using MEI BPM's (Bill Programming Module)
- Update your MEI Series 2600, 2800 and LE3800/3900 validators
- BPM's flash download the new software directly to the bill validator via the included interconnect cable
- A $149.00 refundable BPM deposit is required for each series of validator software (must be returned within 60 days to receive credit)
- Once all credits have been programmed, call Happ for an RMA number to return your BPM and receive your deposit credit
- No refunds will be given for any unused updates
- All BPM Kits include programmed credits purchased and interconnect cable



AE2600/2800 BPM

Part Number		Price per ea.
AE2600/2800 Series		
BPM10-AE2000-05	AE2600/2800 BPM with 5 Credits	$75.00*
BPM10-AE2000-10	AE2600/2800 BPM with 10 Credits	$150.00*
BPM10-AE2000-15	AE2600/2800 BPM with 15 Credits	$225.00*
BPM10-AE2000-20	AE2600/2800 BPM with 20 Credits	$300.00*
BPM10-AE2000-25	AE2600/2800 BPM with 25 Credits	$375.00*
BPM10-AE2000-50	AE2600/2800 BPM with 50 Credits	$500.00*
BPM10-AE2000-100	AE2600/2800 BPM with 100 Credits	$1000.00*
BPM10-AE2000-150	AE2600/2800 BPM with 150 Credits	$1500.00*
BPM10-AE2000-200	AE2600/2800 BPM with 200 Credits	$2000.00*
BPM10 AE2000-250	AE2600/2800 BPM with 250 Credits	$2500.00*
BPM-Deposit	Deposit for BPM	$149.00*
	(Credit will be applied if returned within 60-days)	
LE3800/3900 Series		
BPM10-LE3000-05	LE3800/3900 BPM with 5 Credits	$75.00*
BPM10-LE3000-10	LE3800/3900 BPM with 10 Credits	$150.00*
BPM10-LE3000-15	LE3800/3900 BPM with 15 Credits	$225.00*
BPM10-LE3000-20	LE3800/3900 BPM with 20 Credits	$300.00*
BPM10-LE3000-25	LE3800/3900 BPM with 25 Credits	$375.00*
BPM10-LE3000-50	LE3800/3900 BPM with 50 Credits	$500.00*
BPM10-LE3000-100	LE3800/3900 BPM with 100 Credits	$1000.00*
BPM10-LE3000-150	LE3800/3900 BPM with 150 Credits	$1500.00*
BPM10-LE3000-200	LE3800/3900 BPM with 200 Credits	$2000.00*
BPM-Deposit	Deposit for BPM	$149.00*
	(Credit will be applied if returned within 60-days)	

LE3800/3900 BPM

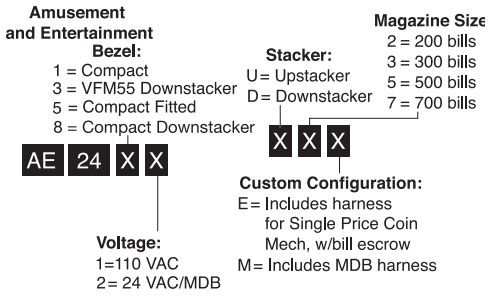
MEI BILL VALIDATORS-AE2400 SERIES

- Advanced sensing technology allows high acceptance rate by accepting torn, wrinkled, faded, damp, dirty, limp, folded or mutilated bills
- Non-contact optical sensors eliminate pinch rollers offering a smooth bill path that reduces jams
- Low Maintenance: Streamlined recognition system sensors are embedded under the smooth plastic bill path and the magnetic pinch roller has been eliminated dramatically reducing debris buildup and the need for cleaning
- Security: Fully-encased optical sensors check paper type and the printing on both sides of the bill, while optical cross channel sensors examine the bill path for foreign objects such as clear tape or strings. This bill validator rejects most of the known counterfeits accepted by ordinary bill acceptors - through the use of multiple wavelength optical sensing and sophisticated data processing
- Flash memory programmable; as more new US bill designs are released, the Validator can easily be updated in the field
- Fully accessible bill path
- Lighted bezel with easy-to-read diagnostic lamps
- Easy-to-use dip switch settings and coupon configuration
- Holds rejected bills
- Self-generated jam-clearing function
- Fully contained control box
- Expandable upstacker or downstacker magazine
- Lightweight unitized design for applications where cube space is a premium
- Locking hasp available
- Accepts bills in any direction
- 2 Year Warranty

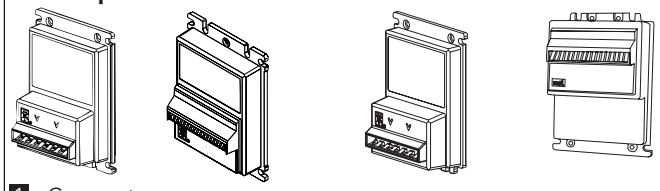
Happ is an authorized MEI Service Center. (See page 41)

Downstacker | Upstacker | Compact Downstacker

Configuration Key

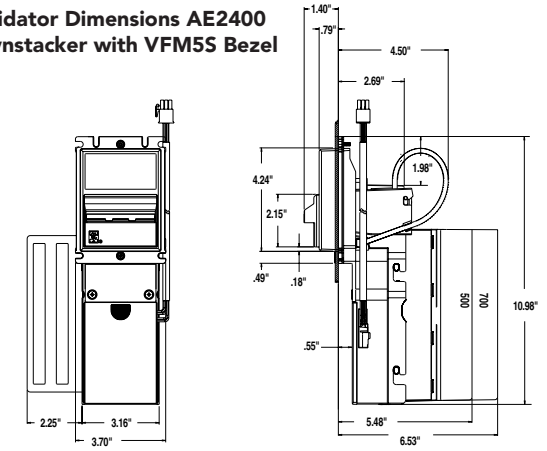


Bezel Options:

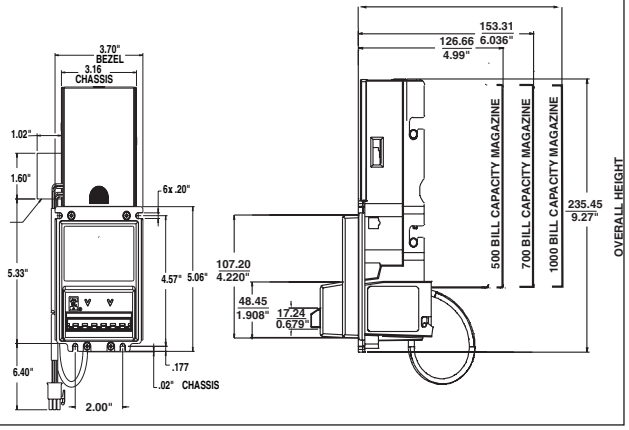


1 – Compact Bezel | 3 – VFM5S Downstacker Bezel | 5 – Compact Fitted Bezel | 8 – Compact Downstacker

Validator Dimensions AE2400 Downstacker with VFM5S Bezel



Validator Dimensions AE2400 Upstacker w/Compact Fitted Bezel



Part Number	Model	To Accept	Bill Capacity	Voltage	Price per ea.
42-7434-00	AE-2411-U5E	$1, $2 & $5	500 Bills	110VAC	349.95
42-2055-00	AE-2412-U3E	$1, $2 & $5	300 Bills	24VAC	415.80
42-2056-00	AE-2412-U7E	$1, $2 & $5	700 Bills	24VAC	463.05
42-8102-00	AE-2431-D5E	$1, $2 & $5	500 Bills	110VAC	463.10
42-1155-00	AE-2451-U3E	$1, $2 & $5	300 Bills	110VAC	416.75
42-6935-00	AE-2451-U5E	$1, $2 & $5	500 Bills	110VAC	439.90
42-2054-00	AE-2451-U7E	$1, $2 & $5	700 Bills	110VAC	463.15
42-3823-00	AE-2481-D5E	$1, $2 & $5	500 Bills	110VAC	490.87

MEI BILL VALIDATORS-AE2600 SERIES

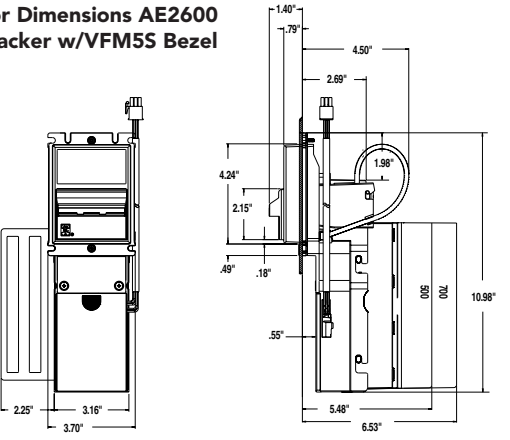
- High, secure 4-way acceptance of $1, $2, $5, $10, $20 bills
- Advanced sensing technology allows high acceptance rate by accepting torn, wrinkled, faded, damp, dirty, limp, folded or mutilated bills
- Non-contact optical sensors eliminate pinch rollers offering a smooth bill path that reduces jams
- Low Maintenance: Streamlined recognition system sensors are embedded under the smooth plastic bill path and the magnetic pinch roller h been eliminated dramatically reducing debris buildup and the need for cleaning
- Security: Fully-encased optical sensors check paper type and the printing on both sides of the bill, while optical cross channel sensors examine the bill path for foreign objects such as clear tape or strings. This bill validator rejects most of the known counterfeits accepted by ordinary bill acceptors - through the use of multiple wavelength optical sensing and sophisticated data processing
- Bezel option "0" allows for drop-in replacement for the VFM4 Upstacker Validato contains both gaming (MEI gaming) and vending (MDB) interfaces
- Flash memory programmable. As more new U.S. bill designs are released, the validator can easily be updated in the field
- Fully accessible bill path
- Lighted bezel with easy-to-read diagnostic lamps
- Easy-to-use dip switch settings and coupon configuration
- Holds rejected bills
- Self-generated jam-clearing function
- Fully contained control box
- Expandable upstacker or downstacker magazine
- Flexible interfacing available to accommodate various vending interfaces and communicate with a coin changer
- Locking hasp available
- Accepts bills in any direction
- 1 Year Warranty

MARS Bill Acceptor Series 2000

mei

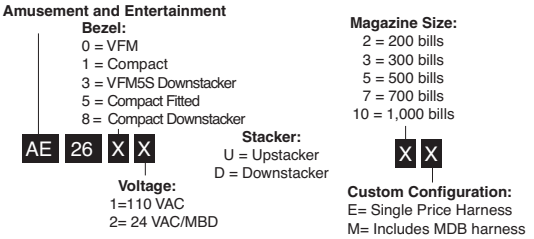
Downstacker | Upstacker | Compact Downstacker

Validator Dimensions AE2600 Downstacker w/VFM5S Bezel

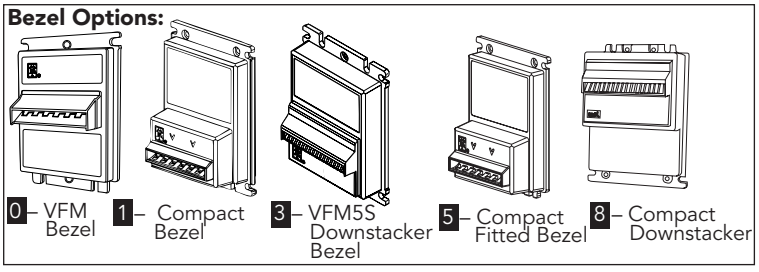


Happ is an authorized MEI Service Center. (See page 41)

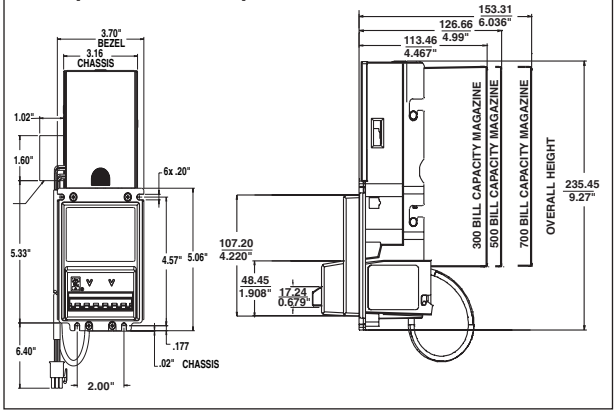
Configuration Key



Bezel Options:



Validator Dimensions AE2600 Upstacker w/Compact Fitted Bezel



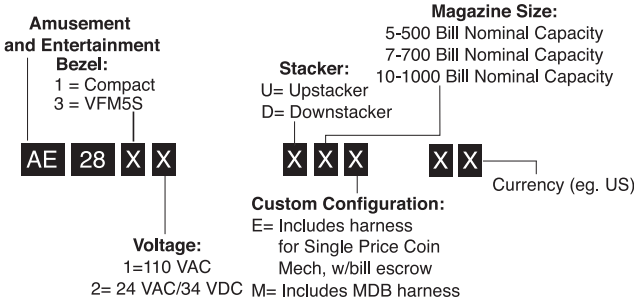
Part Number	Model	To Accept	Bill Capacity	Voltage	Price per ea.
42-7376-00	AE-2601-U3E	$1, $2, $5, $10 & $20	300 Bills	110VAC	496.00
42-7377-00	AE-2601-U5E	$1, $2, $5, $10 & $20	500 Bills	110VAC	510.00
42-7378-00	AE-2601-U7E	$1, $2, $5, $10 & $20	700 Bills	110VAC	524.05
42-7379-00	AE-2602-U5E	$1, $2, $5, $10 & $20	500 Bills	24V	510.00
42-8160-00	AE-2611-U3E	$1, $2, $5, $10 & $20	300 Bills	110VAC	496.05
42-7310-00	AE-2611-U7E	$1, $2, $5, $10 & $20	700 Bills	110VAC	524.04
42-7312-00	AE-2651-U3E	$1, $2, $5, $10 & $20	300 Bills	110VAC	496.01
42-7311-00	AE-2651-U5E	$1, $2, $5, $10 & $20	500 Bills	110VAC	509.95
42-7382-00	AE-2631-D5E	$1, $2, $5, $10 & $20	500 Bills	110VAC	448.00
42-7383-00	AE-2631-D7E	$1, $2, $5, $10 & $20	700 Bills	110VAC	524.00
42-3427-00	AE-2632-D7E	$1, $2, $5, $10 & $20	700 Bills	110VAC	417.95
42-1347-00	AE-2681-D5E	$1, $2, $5, $10 & $20	500 Bills	110VAC	510.05
42-3789-00	AE-2681-D7E	$1, $2, $5, $10 & $20	700 Bills	110VAC	430.00

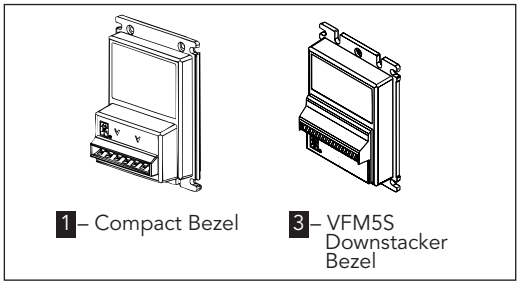
MEI BILL VALIDATORS-AE2800 SERIES

- FEWER HASSLES, MORE TRANSACTIONS Ultra low jam rates and easy acceptance make MEI's AE2800 a user friendly product – one your customers can count on. The unit handles $1, $2, $5, $10, $20, $50 and $100 bills for more transactions, improved customer satisfaction, and higher profits.
- HIGH-END SECURITY & VALUE Multi-wavelength optics and sophisticated data processing combine for exceptional security and value. Fully-encased, optical sensors ensure consistent, high-quality recognition – long a MEI hallmark.
- Due to easy four-way acceptance, customers do not need to flip or turn bulls prior to inserting them. The 2800 series takes torn, wrinkled, faded, and even dirty bills.
- Designed for low maintenance, the 2800's smooth, streamlined bill path has no magnetic pinch rollers to cause debris build-up. Service call for bill jams and vandalism are rare, and the validator signals users that it is operating correctly.
- Convenient access to switches and easy-to-read labels.
- Re-programmable flash memory enables quick, easy updates for software files such as new currency designs or value coupons.
- Acceptance rate: 95% or greater
- Lighted bezel
- Expandable upstacker or downstacker magazine
- 2 year warranty

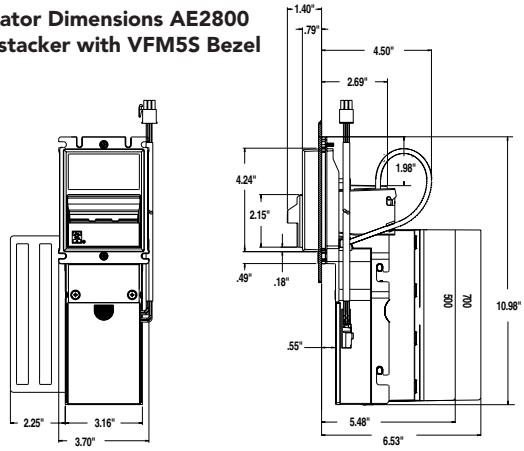
Happ is an authorized MEI Service Center. (See page 41)

Configuration Key

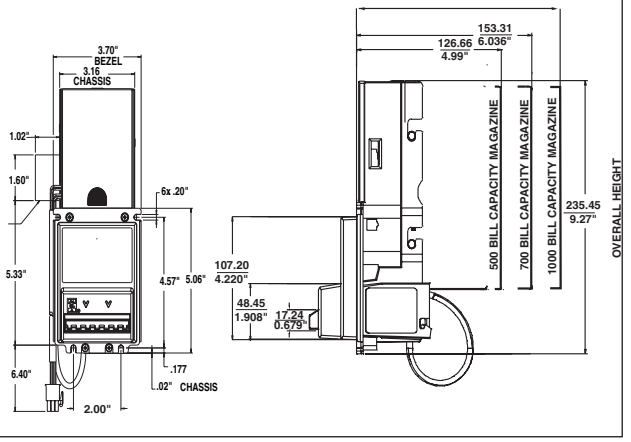




Validator Dimensions AE2800 Downstacker with VFM5S Bezel



Validator Dimensions AE2800 Upstacker w/Compact Fitted Bezel



Part Number	Model	To Accept	Bill Capacity	Stacker	Voltage	Price per ea.
42-0261-00	AE2811U5E	$1, $2, $5, $10, $50, $100	500	Up	110V	502.65
42-0253-00	AE2812U10	$1, $2, $5, $10, $50, $100	1000	Up	24V, MDB	530.15
42-0248-00	AE2831D5E	$1, $2, $5, $10, $50, $100	500	Down	110V	510.15
42-0667-00	AE2831D7E	$1, $2, $5, $10, $50, $100	700	Down	110V	516.55
42-0246-00	AE2831D10E	$1, $2, $5, $10, $50, $100	1000	Down	110V	527.35

MEI BILL VALIDATORS-VN SERIES

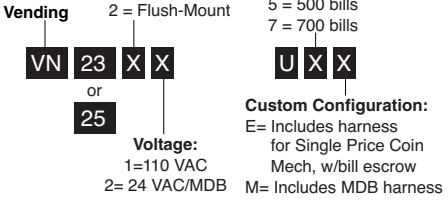
- Advanced sensing technology allows high acceptance rate by accepting torn, wrinkled, faded, damp, dirty, limp, folded or mutilated bills
- Non-contact optical sensors eliminate pinch rollers offering a smooth bill path that reduces jams
- Low Maintenance: Streamlined recognition system sensors are embedded under the smooth plastic bill path and the magnetic pinch roller has been eliminated dramatically reducing debris buildup and the need for cleaning
- Security: Fully-encased optical sensors check paper type and the printing on both sides of the bill, while optical cross channel sensors examine the bill path for foreign objects such as clear tape or strings. This bill validator rejects most of the known counterfeits accepted by ordinary bill acceptors - through the use of multiple wavelength optical sensing and sophisticated data processing
- Fully accessible bill path
- Lighted bezel with easy-to-read diagnostic lamps
- Easy-to-use dip switch settings and coupon configuration
- Holds rejected bills
- Self-generated jam-clearing function
- Flexible interfacing available to accommodate various vending interfaces and communicate with a coin changer
- Fully contained control box
- Expandable upstacker magazine
- Locking hasp available
- Accepts bills in any direction
- 2 Year Warranty

MARS Bill Acceptor Series 2000

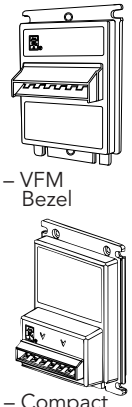
mei

Upstacker Validator

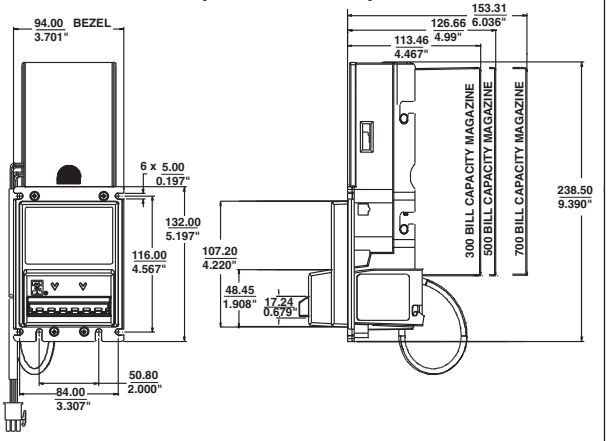
Configuration Key



Bezel Options:



Validator Dimensions
VN2500 Upstacker w/Compact Bezel



Part Number	Model	To Accept	Bill Capacity	Voltage	Price per ea.
42-3255-00	VN-2312-U3M	$1, $2	300 Bills	24VAC	404.00
42-1342-00	VN-2501-U2E	$1, $2 & $5	200 Bills	110VAC	429.00
42-1343-00	VN-2501-U3E	$1, $2 & $5	300 Bills	110VAC	428.97
42-1344-00	VN-2501-U5E	$1, $2 & $5	500 Bills	110VAC	439.00
42-3127-00	VN-2501-U7E	$1, $2 & $5	700 Bills	110VAC	445.00
42-3254-00	VN-2502-U2E	$1, $2 & $5	200 Bills	24VAC	424.00
42-3253-00	VN-2502-U2M	$1, $2 & $5	200 Bills	24VAC	424.00
42-3252-00	VN-2502-U3E	$1, $2 & $5	300 Bills	24VAC	424.00
42-3251-00	VN-2502-U3M	$1, $2 & $5	300 Bills	24VAC	418.65
42-3250-00	VN-2502-U5E	$1, $2 & $5	500 Bills	24VAC	449.00
42-3249-00	VN-2502-U7E	$1, $2 & $5	700 Bills	24VAC	424.00
42-2007-00	VN-2511-U2E	$1, $2 & $5	200 Bills	110VAC	424.00
42-2036-00	VN-2511-U3E	$1, $2 & $5	300 Bills	110VAC	433.95
42-3248-00	VN-2511-U5E	$1, $2 & $5	500 Bills	110VAC	418.98
42-7230-00	VN-2511-U7E	$1, $2 & $5	700 Bills	110VAC	714.85
42-3247-00	VN-2512-U2M	$1, $2 & $5	200 Bills	24VAC	429.00
42-3246-00	VN-2512-U3M	$1, $2 & $5	300 Bills	24VAC	428.95
42-3245-00	VN-2512-U5E	$1, $2 & $5	500 Bills	24VAC	429.06
42-3244-00	VN-2512-U5M	$1, $2 & $5	500 Bills	24VAC	429.00
42-3698-00	VN-2512-U7E	$1, $2 & $5	700 Bills	24VAC	440.00
42-3243-00	VN-2521-U2E	$1, $2 & $5	200 Bills	110VAC	419.00
42-3242-00	VN-2521-U3E	$1, $2 & $5	300 Bills	110VAC	429.00
42-3241-00	VN-2521-U5E	$1, $2 & $5	500 Bills	110VAC	439.00
42-3240-00	VN-2522-U3E	$1, $2 & $5	300 Bills	24VAC	434.00
42-3239-00	VN-2522-U3M	$1, $2 & $5	500 Bills	24VAC	434.00

MEI CASHFLOW™ SERIES 7000 CHANGER

The First Coin Manager Ever Made!

NEW

MEI CASHFLOW™ Series 7000 is smart

- Advanced features make the par process simpler, faster and more accurate.
- Design allows complete coin path access.
- LED display and Smart menu provides front-line at-machine diagnostics.
- Industry's only five-tube changer with complete tube replenishment.
- Sonar technology "reads" the amount of change in each tube and displays tube total in real-time.
- Last-month statistics report the value of lost sales, tubes replenished, account for cash and more.
- Plus, it's really easy to use.

MAXIMIZE YOUR SALES

- Virtually eliminates exact change situations
- Handles high-value bills—$5, $10 & $20 bills
- Provides true price flexibility so you can out-negotiate your competitors
- Less downtime
- Meets MEI Gold Standard for water-resistance and jam-resistance
- Smart menu and LED display provide diagnostics to enable drivers to resolve most matters on-site and minimize service calls

MINIMIZE YOUR COSTS

- Accounts for all money, even cash in tubes
- Provides easy paring by dispensing surplus coins and identifying replenishment needs
- Coin path design allows drivers to remove debris without tools or service calls
- Intuitive design and Smart menu system simplifies training
- Optimizes change combinations
- Provides information to ensure drivers are accountable for cash
- Drivers can swap individual tubes without changing the cassette

IT DOES EVERYTHING BUT WALK TO YOUR OFFICE AND DELIVER THE CASH

MEI CASHFLOW™ series 7000 actually does the work for you—so you don't have to worry!
Coupled with MEI's proven reliability, it's an exceptional product that requires less service and decreases downtime

MANAGES COIN INVENTORY

- Industry's only active five-tube changer with complete tube replenishment
- Proprietary sonar technology detects change amounts in each tube in real-time and displays it on the LCD
- It automatically displays how many coins you've added. No more tracking and counting yourself
- Float mode—optimizes the amount of money kept in the machine so you don't have cash tied up unnecessarily

OPTIMIZES PAYOUT

- Minimizes exact-change situations.
- Alerts the operator of best tube configuration and recommends modifications when beneficial
- Accounts for all money—bills stacked, coins to cash box and coins in each tube
- Sonar capability reflects changes in cash levels during each driver call
- Gives you accurate audit data of cash in the machine

IT DOES EVERYTHING BUT WALK TO YOUR OFFICE AND DELIVER THE CASH...

EASY TO LEARN

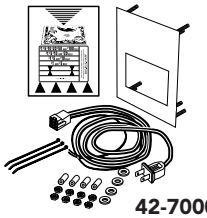
- Smart menu is available in eight languages and enables drivers to become skilled users in no time
- LED display reveals information
- Features an intuitive design

EASY TO USE

- Built-in self-diagnostics walk you step-by-step through issues
- Troubleshooting aids
- Field-configurable tubes
- Front IR port allows download of audit data
- Rugged design allows for complete coin path access so drivers can clear debris without tools or service calls
- Fully accessible coin storage
- Coin fills are easy with the free-standing cassette
- Built-in hook for an additional coin fill option
- Programmable option allows operators to "par" tubes to any level, or allow the unit to determine the optimal par level for you

Part Number		Price per ea.
42-0369-00	MEI Cashflow Series 7000 Changer	523.65

MEI BILL VALIDATORS-ACCESSORIES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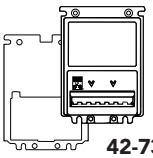
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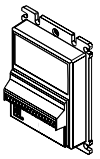
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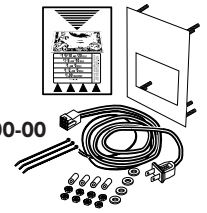
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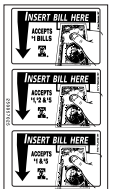
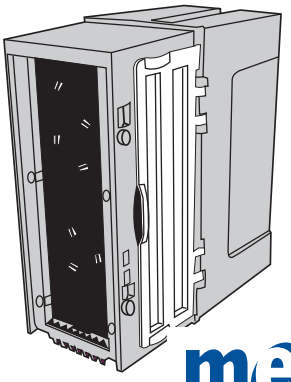


250057025

Part Number	MEI Part Number	Description	Price per ea.
AL, GL & VFM Series Accessories			
42-1093-00	-	VFM Conversion Kit - Moves black control box from either left or right side of validator to top of validator	10.40
42-7000-00	-	Happ Mounting Kit for MEI AL, GL, LE (Stackerless, Upstacker & Downstacker) and Series 2000 Downstacker with VFM5S Downstacker Bezel (Bezel Option #3)	20.85
01-12-192	01-12-192	MEI AC cable assembly 110v for AL, GL, LE & VFM Validators	23.15
111510329	111510329	MEI drive tire assembly wheel and tire for VFM, AL & GL	3.35
42-3221-00	111512328	MEI Coin Resistant Bezel for AL & GL Validators	13.95
42-7097-00	111636107	Cross Channel Sensor board for GL5	208.40
42-7079-00	11634125	Optic PCB for GL5 & AL4 (Replaces 11637056)	50.95
250020100	250020100	MEI Adapter, VFM Bezel	7.25
250038030	25038030	Mounting Plate	17.00
AE & VN Series Accessories			
42-7384-00	-	Bezel Modification Kit for Series 2000 Validator to allow Validator to fit intoHapp Controls Validator Door	42.00
42-7112-00	-	Happ metal locking hasp for MEI AE & VN Series 2000 with Compact Bezel (Bezel option Number 1) or Fitted Bezel (Bezel option 5)	31.30
42-3200-00	-	Mounting Kit for MEI Series 2000 Upstacker with either Compact Bezel (Bezel Option #1) or Compact Fitted Bezel (Bezel opton #5)	21.95
250011049	250011049	Bezel Assy For Down Stacker	16.00
250021015	250021015	Timing Belt, Large for MEI Series 2000	5.55
250023014	250023014	Timing Belt, Small for MEI Series 2000	7.50
250025018	250025018	Blue Magazine Clip for MEI Series 2000 Magazines	.82
250044003	250044003	Spring for Blue Magazine Clip for MEI Series 2000 Magazine	.20
250055026	250055026	Label Set for VN Series Validators	2.10
250057025	250057025	MEI Yellow Label Set $1, $2, $5 for VN2000 Series	.59
250059046P	250059046P	Label Set for AE 2600 Validators	3.10
250060042	250060042	500 Bill Magazine for AE Downstacker Validators	46.78
250-061-016	250061016	300 Bill Capacity Magazine for AE & VN Upstacker Validators	41.95
250-063-015	250063015	200 Bill Capacity Magazine for AE & VN Upstacker Validators	42.73
250064028	250064028	Stacker Motor For 2000 Series	19.95
250064084	250064084	500 Bill Magazine Downstacker Enhanced Version	67.95
42-3297-00	250066027	MEI Blue Plastic Locking Hasp Kit for Series 2000 VN & AE Magazine (2 Per Box)	49.00
250-068-021	250068021	700 Bill Capacity Magazine for AE & VN Upstacker Validators	49.99
250068043	250068043	700 Bill Magazine for AE Downstacker Validators	49.99
250062068	250062068	700 Bill Magazine For AE Enhanced Version with Hook Plate	49.99
250-069-017	250069017	500 Bill Capacity Magazine for AE & VN Upstacker Validators	45.00
42-3141-00	250070006	MEI Power Harness for Series 2000 Validators	17.40
42-7224-00	250071009	MDB Harness, 24v for VN23 & VN 25 Validators	23.10
42-3391-00	250079049	RS232 Interface Cable for AE 2600 Series	52.45
250067013	250067013	MEI Bezel Kit For Series 2000	20.95
Other Miscellaneous Accessories			
42-7057-00	01-12-139	MEI Harness, 2 Wire Line Cord & Credits with Plug	7.20
42-3134-00	112511042	MEI Harnesses, 110 v	26.95
111633215P	111633215P	Hook PLate Kit for Series 3000 LE, GL, AL	27.30

MEI 1000 BILL CAPACITY MAGAZINE

- Holds 1,000 bills
- Fits Series 2000 Validators
- Bill access doors on both sides of magazine
- Made of durable high impact plastic
- New anti-stringing cutter installed
- Depth: 6-11/16”



Part Number		Price per ea.
250060086	MEI 1,000 Bill Capacity Magazine	79.99

CUSTOM HASP ASSEMBLY FOR MEI VALIDATORS

- Custom designed for MEI AE & VN 2000 series validators
- Will only work with the compact bezel (bezel option no. 1) or fitted bezel (bezel option no. 5)
- Accommodates padlocks with 3/8” shackle

Part Number		Price per ea.
42-7112-00	Custom Hasp for MEIValidators	31.30

MEI ENHANCED WARRANTY

NEW

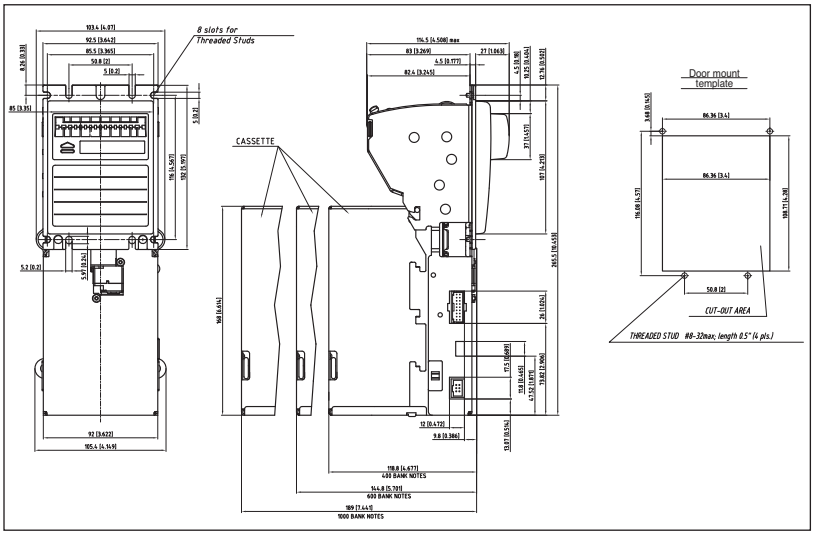
- Affordable 5 or 7 year Enhanced Warranty for Vending and Amusement for Series VN2000, Series AE2000 and CF7512 models
- Extends the duration of the standard 2-year warranty by either 3 years or 5 years depending on which option is selected, providing a total 5 or 7 year warranty duration
- Expands the standard 2-year vending warranty by covering everything in that warranty plus software upgrades that are available during the warranty
- Provides that the product shall be free of defects in workmanship and materials
- Includes currency software update credits (does not include the BPM and CPM hardware)
- Warranty fulfillment available at any MEI Authorized Service Bureau
- Fully backed by MEI
- The Enhanced Warranty must be purchased when the product is purchased
- No conversion from a 5-year to a 7-year warranty is permitted, and is non-transferable
- As with the standard warranty, the enhanced warranty does not include the following: damages, caused by you or any third party’s act, default or misuses of the product or by failure to follow any instructions supplies with the product including but, not limited to, misuse of the product of through vandalism, fraudulent act, or any other kind of malicious interference
- Full terms are spelled out in the MEI Enhanced Limited Warranty

Part Number		Price per ea.
42-CF7512-EW7	Extended Warranty - 7 Year, MEI CF7512 Product	54.95
42-CF7512-EW5	Extended Warranty - 5 Year, MEI CF7512 Product	29.95
42-VN2000-EW7	Extended Warranty - 7 Year, MEI VN2000 Product	54.95
42-VN2000-EW5	Extended Warranty - 5 Year, MEI VN2000 Product	29.95
42-AE2000-EW7	Extended Warranty - 7 Year, MEI AE2000 Product	54.95
42-AE2000-EW5	Extended Warranty - 5 Year, MEI AE2000 Product	29.95

CASHCODE VALIDATORS AND CASSETTES

CashCode, a division of Crane Payment Solutions, manufactures the most reliable, durable, secure and technologically advanced bill validators for the Amusement/Vending industry. Designed for both domestic and international currency validation, CashCode has a Validator that is perfect for your application. Buy a CashCode today and feel confident that your money is safe and sound.

- Fixed and Multi-width validation (67mm or 71mm or 62-78mm
- Fastest validation on the market (1.7 sec.)
- Advanced optical, inductive and dielectric sensors for maximum acceptance and rejection of fakes
- No calibration/waffle sheets required
- 400, 600, 1000 and 1500 capacity cassettes - available in non-locking, single or dual locks
- Tool-Free access to bill path way
- Up or downstacking
- 2 year warranty
- BlueChip™ sim card for quick and easy software update
- 4 way acceptance
- Coupon capable
- Decals included in box
- 36" wiring harness included in box



HAPP
IS NOW AN AUTHORIZED
CashCode® **SERVICE CENTER**
See page 41 for details

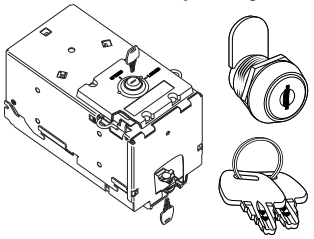
Part Number	CashCode Number	To Accept	Price per ea.
42-3853-00	SMR2005US7027	$1,$5,$10,$20,$50,$100	515.45
42-8236-00	SMR2017US8720	$1,$2,$5,$10,$20/Four-ways	562.55

Part Number	Description	Width	Capacity	CashCode #	Price per ea.
42-0301-00	Lockable Removable Cassette (LRC)	67mm	1500	CST-1K567-POL	199.00

Part Number	Description	Price per ea.
42-0742-00	Chrome Metal "Coin-Proof" Motorized Bezel	103.90

LOCKABLE REMOVABLE CASSETTES (LRC)

LRC pictured with locks (Locks sold separately)

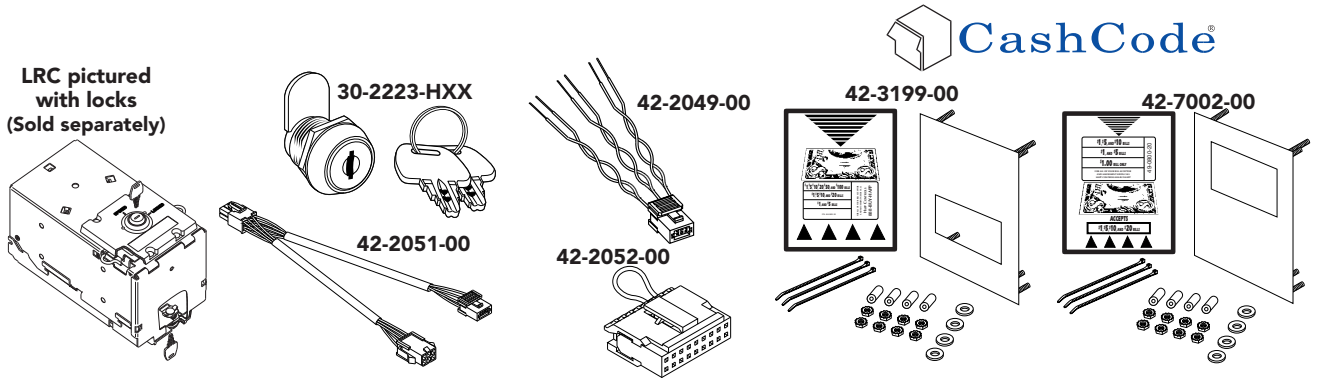


See page 53 for locks

Part Number		Width	Capacity	Cash Code #	Price per ea.
42-6958-00	Lockable Removable Cassette (LRC)	67mm	400 Bills	CST400-67	91.50
42-6959-00	Lockable Removable Cassette (LRC)	67mm	600 Bills	CST600-67	103.10
42-6960-00	Lockable Removable Cassette (LRC)	67mm	1,000 Bills	CST1K067-COL	115.80
42-0301-00	Lockable Removable Cassette (LRC)	67 mm	1,500 Bills	CST1K567-POC-S	199.00
42-8094-00	Gaming LRC	67mm	600 Bills	CST-600-67-GOL-2	172.55
42-6998-00	Lockable Removable Cassette (LRC)	71mm	400 Bills	AMZCST400-71	86.85
42-3289-00	Lockable Removable Cassette (LRC)	71mm	600 Bills	AMZCST600-71	108.85
42-3231-00	Lockable Removable Cassette (LRC)(CAN)	71mm	1,000 Bills	AMZ-CND-VAULT-1000	127.40
42-2046-00	Lock Mounting Kit to prevent removal of stacker from acceptor			AMZUSA-CC001	24.35

Note: 67mm Width bills for USA Currency, 71mm Width bills for Canada Currency

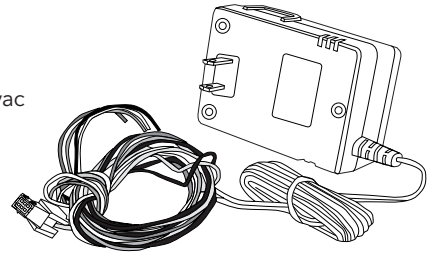
CASHCODE ACCESSORIES



Part Number	CashCode Part Number		Price per ea.
42-0142-00	-	FL Bezel with Running Lights (No LCD DIsplay)	164.05
80-0075-00	-	Plug-in Wall Transformer to CashCode Validator (120vac to 12vdc)	25.90
42-2049-00	AMZXXX-12-06	Harness DC Power 6 Pin (OPT-HS-12V-O6P)	7.00
42-2051-00	AMZXXX-MDB	Harness MDB (OPT-HS-MDB)	14.65
42-2052-00	AMZXXX-PUL-18	Connector Pulse 18 Pin (OPT-HS-JC18)	7.75
42-2050-00	AMZXXX-PC-18	Connector Serial 18 Pin, Harness (OPT-HS-CSI-18P)	17.10
42-2053-00	AMZXXX-M-J-14-18	Serial Harness Adapter, JCM 14 Pin to CashCode 18 Pin (OPT-HSC-M14-J18)	14.65
42-3199-00	-	Happ Mounting Kit for ALL CashCode UNV Series Upstacker & Downstacker	15.60
42-3530-10	-	Mounting Kit for Cash Code Black Plastic Rivet For Lock (Pkg of 10)	2.05
42-7002-00	-	Happ Mounting Kit for CashCode ALL Stackerless Series	15.30
42-6984-00	AMZUSA-HRT-UBR001	Universal Telescopic Bracket for HRT Stacker Series Validators	148.50
42-6958-00	AMZCST400-67	LRC for Amazing Series Bill Validator 400 bill capacity, 67mm width	91.50
42-6959-00	AMZCST600-67	LRC for Amazing Series Bill Validator 600 bill capacity, 67mm width	103.10
42-7314-00	AMZCST-GOL	LRC for Amazing Series Bill Validator 600 bill capacity (for Pot-O-Gold Video Game)	140.10
42-6960-00	AMZCST1000-67	LRC for Amazing Series Bill Validator 1,000 bill capacity, 67mm width	115.80
42-2046-00	AMZUSA-CC001	Lock Mounting Kit to prevent removal of stacker from validator	24.35
30-2223-H01	-	Lock for CashCode LRC, House Key H01	7.00
30-2223-H02	-	Lock for CashCode LRC, House Key H02	7.00
30-2223-H03	-	Lock for CashCode LRC, House Key H03	7.00
30-2223-H04	-	Lock for CashCode LRC, House Key H04	7.00
30-2223-H05	-	Lock for CashCode LRC, House Key H05	7.00
30-2223-H06	-	Lock for CashCode LRC, House Key H06	7.00
30-2223-H10	-	Lock for CashCode LRC, House Key H10	7.00

PLUG IN CASHCODE TRANSFORMER

- Allows an easy source for +12vdc required for CashCode Validators
- Simply plug into any 110vac wall outlet and then plug other end into CashCode bill validator



Part Number		Price per ea.
80-0075-00	Plug-In CashCode Transformer	25.90

Money Changer

Dimension:
(H)740mmX(W)180mmX(D)290mm

Weight:
21kg

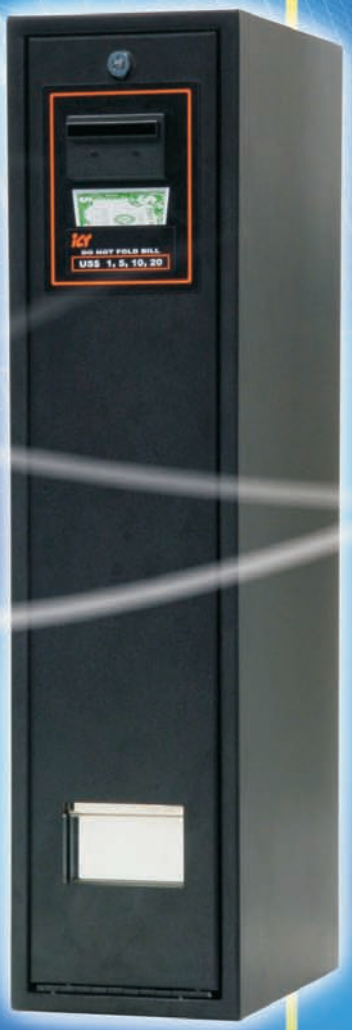
Power Requirement:
AC 100V~240V, 50~60Hz

Operating Temperature:
5°C~50°C

Operating Humidity:
30%~85%RH

Installation Location:
Indoor

Coin Capacity:
Approx.1000 coins



Bending the rules!

International Currency Technologies
Distributed by HAPP. Call 888-BUY-HAPP or Go Online to Order

ICT LOW POWER COMSUMPTION VALIDATORS-S6 SERIES

- Can be powered for 90 days from a 12vdc motorcycle battery
- Power saving mode after idle for 10 seconds
- Accepts US $1, $5, $10, & $20 bills
- Bills can be inserted 4-ways
- Accepts new currency
- High Acceptance rate: 96% or better
- Fast validation time of 3 seconds (including bill stacking)
- 300, 500 or 800 bill capacity upstacker models available
- Optic sensors read both sides of the bill for added security
- Auto self-adjusting sensor system
- Re-programmable flash ROM
- Easily accessible dip switches
- Lighted bezel makes bill insertion easy
- Bill path is easily accessible by pressing two buttons
- Complete with mounting hardware, decals, and power cord
- All standard bezel validators come with mounting kit
- Easy installation and low maintenance
- Great for use on pool tables or other mechanical machines
- Handy 8-pin RJ-45 connector on the side of the bill validator for downloading programs and updating validation software
- Two year warranty

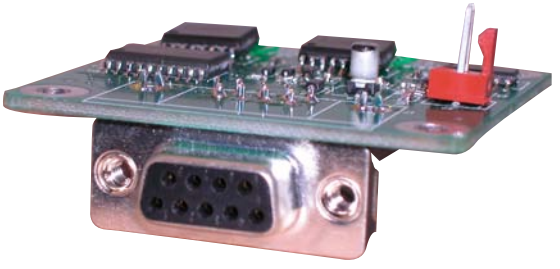
Part Number	Model	Bill Capacity	Bezel	Accepts	Price per ea
42-0290-00	S625-FOP-USA	500	Fitted	$1,5,10,20 US	309.95
42-3734-00	A625-SCP-US4	500	Standard	$1,5,10.20 US	280.00

UNIVERSAL VALIDATOR INTERFACE™ (UVI) KIT

Connect any bill validator with any PC!

- Revolutionary new adaptor allows any bill validator to be connected to a PC running any operating system and monitor bill inputs
- Works with any operating system – DOS, Windows (98, NT, 2000 & XP), Linux, jOS, and custom systems
- Works with any bill validator – MEI, Rowe, CashCode, Ardac, ICT and others
- Detects the incoming pulses from the validator, buffers them and then notifies the PC software that there is a credit waiting
- Uses the standard RS-232 serial port
- Easy to use SDK sample code integrates into your application in minutes
- SDK with sample code and demo program can be downloaded from our web site
- Kit includes:
  - Universal Validator Interface PCB
  - Instruction Manual
  - 6 ft. Serial RS232 Extension Cable
  - MEI Harness for Bill Validator
  - Plastic PCB Feet

NEW

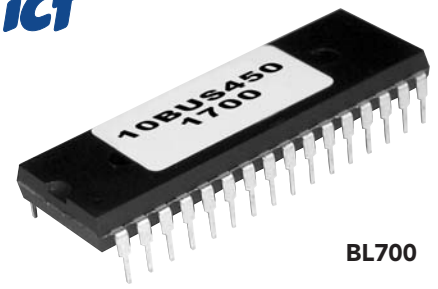


Part Number		Price per ea.
96-0606-00KIT	Universal Validator InterfaceTM (UVI) Kit	99.95

The New Color of Money: Safer, Smarter, More Secure.

ICT BL700 NEXGEN $10 EPROM UPGRADE

- On March 2nd, 2006 U.S. Federal Reserve Banks will begin distributing the new $10 note through commercial banks to the U.S. public
- Start upgrading your ICT BL-700's today and be prepared when the new $10 is released
- Changing the EPROM is easy, simply open the access cover, lift out the old EPROM, reinsert the new EPROM, replace the access cover and your Validator is ready to accept the new US $10 bill
- Includes ICT "New Currency Ready" label to place on validator after update



BL700

Part Number		Price per ea.
BL700-$10NEXGEN	ICT NEXGEN$10 Upgrade EPROM	16.50

ICT NEXGEN $10 UPDATES

- On March 2nd, 2006 U.S. Federal Reserve Banks will begin distributing the new $10 note through commercial banks to the U.S. public
- Start upgrading your ICT validators today and be prepared when the new $10 is released
- Update your A6 or V6 units via ICT's Flash Programming Modules (FPM)
- The FPM's flash download new software directly into the Bill Validator via the included interconnect cable
- Kit includes: Flash Programming Module with NEXGEN $10 software, Interconnect cable and ICT "New Currency Ready" label to place on validator after unit is updated

FP001-A6/FP001-V6

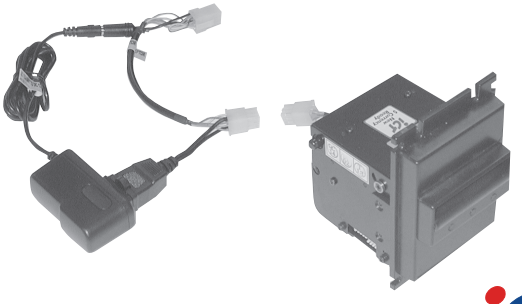
Part Number		Price per ea.
FP001-A6-10	ICT NEXGEN$10 FPM For A6 Series	178.50
FP001-V6-10	ICT NEXGEN$10 FPM For V6 Series	183.90

ICT B70UF STACKERLESS BILL VALIDATOR

- Software can be quickly updated through the built-in connector (Flash ROM)
- Accepts US $1, $5, $10 & $20 bills
- Bills can be inserted 4-ways
- Accepts new currency
- Ultimate acceptance rates
- Warranty: 1 year parts and labor
- Model B70UF, +12vdc
- Superior security
- Fast, efficient bill handling
- Easily accessible dip switches
- Auto self-adjusting sensor system
- Validation time of 4 seconds or less
- Easy to remove/open/clean acceptor
- Lighted bezel makes bill insertion easy
- The new anti-stringing function has 99.99% success rate
- Maintenance is reduced through recessed optic sensors
- Optic sensors read both sides of the bill for added security
- Complete with mounting plate, hardware, decals, and power cord

Part Number	Model	To Accept	Price per ea.
42-0968-00	B70UF	$1,5,10,20,100 US	210.00

ICT 110VAC TO 12VDC CONVERSION HARNESS



- Converts the industry standard 9-pin amp 110VAC harness to a 12VDC ICT application
- This is an easy plug and use system, no cutting or soldering required

Part Number		Price per ea.
42-0988-00	ICT 110VAC to 12VDC Conversion Harness	30.60

ICT STACKERLESS BILL VALIDATOR

- Accepts US $1, $5, $10 & $20 bills
- Bills can be inserted 4-ways
- Accepts new currency
- High acceptance rate: 90% or better
- Validation time of 4 seconds or less
- Maintenance is reduced through recessed optic sensors
- Optic sensors read both sides of the bill for added security
- High quality at a great price
- Bill path is easily accessible from the top via hinged lid, no tools required
- Lighted bezel makes bill insertion easy
- Easily accessible dip switches
- Complete with mounting plate, hardware, decals, and power cord
- Warranty: 1 year parts and labor
- Model BL-700 +12vdc
- International models available on a special order basis

NEW

Part Number	Model	To Accept	Bill Capacity	Voltage	Price per ea.
42-3653-00	BL-700-USD4	$1, $5, $10, $20 US	Stackerless	110 VAC	195.00
42-0089-00	BL-700-BRA4	$1, $5, $10, $20, $100 Real	Stackerless	110 VAC	195.00
42-3723-00	BL-700-MXB3	$20, $50 Peso	Stackerless	110 VAC	195.00

ICT VALIDATORS-US4 SERIES WITH UPSTACKER

- Accepts US $1, $5, $10, & $20 bills
- Bills can be inserted 4-ways
- Accepts new currency
- High Acceptance rate: 96% or better
- Fast validation time of 3 seconds (including bill stacking)
- 300, 500 or 800 bill capacity upstacker models available
- Optic sensors read both sides of the bill for added security
- Auto self-adjusting sensor system
- Reprogrammable flash ROM
- Easily accessible dip switches
- Lighted bezel makes bill insertion easy
- Bill path is easily accessible by pressing two buttons
- Complete with mounting hardware, decals, and power cord
- All standard bezel validators come with mounting kit
- Easy installation and low maintenance
- Handy 8-pin RJ-45 connector on the side of the bill validator for downloading programs and updating validation software
- Comes standard as 110v, but can also be powered by 12vdc with optional cable (WEL-M007)
- Two year warranty

NEW

Part Number	Model	Bill Capacity	Voltage	Bezel	Accepts	Price per ea.
42-3701-00	A613-FOP-US4	300	110 VAC	Fitted	$1,5,10,20 US	280.00
42-0326-00	A613-SCP-USA	300	110 VAC	Standard	$1,5,10,20 US	280.00
42-0062-00	A613-FOP-BRA4	300	110 VAC	Fitted	$1,5,10,20,100 Real	279.98
42-0327-00	A615-FOP-US4	500	110 VAC	Fitted	$1,5,10,20 US	280.00
42-3703-00	A615-SOP-US4	500	110 VAC	Standard	$1,5,10,20 US	280.00
42-0332-00	A618-SCP-US4	800	110 VAC	Standard	$1,5,10,20 US	280.00
42-0053-00	A618-FOP-US4	800	110 VAC	Fitted	$1,5,10,20 US	280.00
42-0238-00	A713-A2P-CAD4	300	110 VAC	Fitted	$2,5,10,20 Canada	283.00
42-3724-00	A723-SOM-EUR3	300	12 VDC	Fitted	$1,5,10,20 Euro	283.00

Optional Cassettes for Stackers

Part Number	Model	Bezel	Bill Capacity	Price per ea.
42-0299-00	S6-S3	Fitted Bezel Only	300	53.65
42-0318-00	S6-S5	Fitted Bezel Only	500	53.65
42-0058-00	S6-S8	Fitted Bezel Only	800	49.00
42-3731-00	S6-B5	Standard Bezel Only	500	49.00
42-0090-00	S6-B8	Standard Bezel Only	800	49.00

ICT VALIDATOR-US2 SERIES WITH UPSTACKER

- Accepts US $1 & $5 bills only
- Ideal alternate when $10 & $20 vend acceptance is not required
- Bills can be inserted 4-ways
- High quality at a great price
- Easy installation & low maintenance
- Has 500-bill capacity
- Uses standard pulse interface
- Includes standard bezel mounting kit w/hardware, decals and power cord
- 110VAC for power

Part Number		Price per ea.
42-1279-00	ICT Validator US2 Series Upstacker, $1 & $5 only	235.00
42-3792-00	ICT Validator US2 Series Upstacker, $1 & $5 only	235.00

ICT THERMAL PRINTER

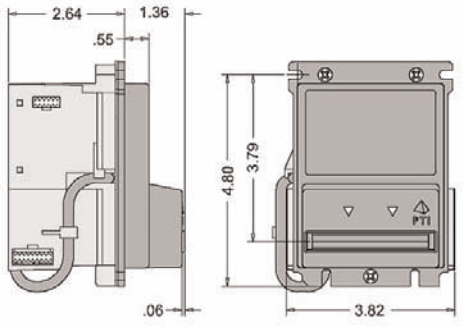
- Designed to take the advantage of new, lower cost thermal papers
- Easy drop-in paper loading with auto cutter
- User friendly, efficient and reliable
- Long life microprocessor controlled guillotine paper cutter
- Low paper sensor
- Full cut or partial switchable
- Convenient compact design for easy installation

Part Number		Price per ea.
70-1336-00	ICT Thermal printer with cutter GP-58CR	210.10
42-1380-00	Mounting Plate for ICT Thermal Printer	9.95
27-1032-02	Battery for ICT Printer	7.85
42-5277-00	Printer Head for GP-58CR	88.99

PYRAMID APEX 5600 SERIES VALIDATORS

NEW

- Accepts US $1, $5, $10, $20 & $100 bills, including new currency
- Lighted arrows on bezel and bill entry area
- High security against fraudulent bills
- Dual-stage optical anti-stringing
- 12VDC standard or optional 120VAC internal supply
- Updating for new currency is simple, using a Palm™ PDA
- High acceptance rate: 95% or greater
- Acceptance Speed: Approximately 20 bills per minute
- Pushbutton/LED on-board diagnostics
- Automatic self-calibration, unit will never require user calibration
- Various bezels available with pin-outs that are compatible with other manufacturers
- Warranty: 2-Years, parts and labor

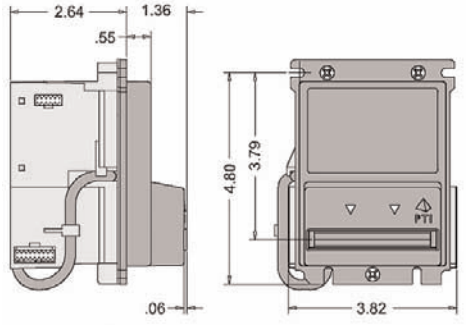


Part Number	Model	To Accept	Bill Capacity	Voltage	Price
42-3913-00	Apex-5600-U51-USA Upstacker	$1, 5, 10, 20, 50, 100 US	500	12V	278.99
42-3914-00	Apex-5600-U52-USA Upstacker	$1, 5, 10, 20, 50, 100 US	500	120V	299.99
42-3911-00	Apex-5600-SN1-USA	$1, 5, 10, 20, 50, 100 US	Stackerless	12VDC	219.99
42-3912-00	Apex-5600-SN2-USA	$1, 5, 10, 20, 50, 100 US	Stackerless	120VAC	243.99

PYRAMID APEX 5400 SERIES VALIDATORS

NEW

- Accepts US $1, $5, $10, & $20 bills, including new currency
- Lighted arrows on bezel and bill entry area
- High security against fraudulent bills
- Dual-stage optical anti-stringing
- 12VDC standard or optional 120VAC internal supply
- Updating for new currency is simple, using a Palm™ PDA
- High acceptance rate: 95% or greater
- Acceptance Speed: Approximately 20 bills per minute
- Pushbutton/LED on-board diagnostics
- Automatic self-calibration, unit will never require user calibration
- Various bezels available with pin-outs that are compatible with other manufacturers
- Warranty: 2-Years, parts and labor



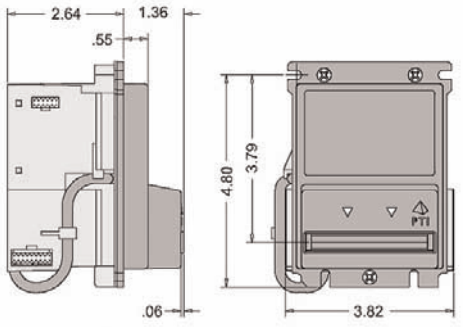
Part Number	Model	To Accept	Bill Capacity	Voltage	Price per ea.
42-3907-00	Apex-5400-U51-USA Upstacker	$1, 5, 10, 20 US	500	12V	227.99
42-3908-00	Apex-5400-U52-USA Upstacker	$1, 5, 10, 20 US	500	120V	227.99
42-3909-00	Apex-5400-SN1-USA	$1, 5, 10, 20 US	Stackerless	12VDC	178.99
42-3910-00	Apex-5400-SN2-USA	$1, 5, 10, 20 US	Stackerless	120VAC	202.99

PYRAMID XLC SERIES VALIDATORS

NEW

- Accepts US $1 & $5 bills only
- Lighted arrows on bezel and bill entry area
- High security against fraudulent bills
- Dual-stage optical anti-stringing
- 12VDC standard or optional 120VAC internal supply
- Updating for new currency is simple, using a Palm™ PDA
- High acceptance rate: 95% or greater
- Acceptance Speed: Approximately 20 bills per minute
- Pushbutton/LED on-board diagnostics
- Automatic self-calibration, unit will never require user calibration
- Various bezels available with pin-outs that are compatible with other manufacturers
- Warranty: 2-Years, parts and labor

PYRAMID TECHNOLOGIES, INC.
CURRENCY VALIDATION EXPERTS



Part Number		Price per ea.
42-3906-00	Pyramid Validator Upstacker $1-$5 120V 500-Bill Capacity	221.99
42-3905-00	Pyramid Validator Upstacker $1-$5 12V 500-Bill Capacity	209.99

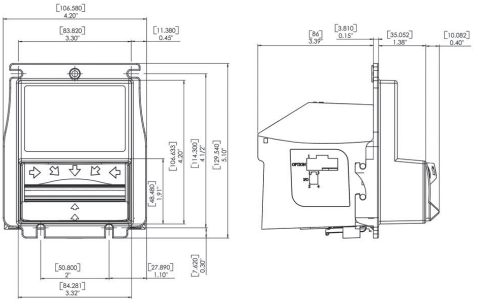
TRILOGY PULSE MODE STACKERLESS VALIDATOR

NEW

- Accepts US $1, $5, $10, $20 & $100 bills, including new currency
- Lighted arrows on bezel
- High security against fraudulent bills
- Dual-stage optical anti-stringing
- Currency updates are done using flash technology via a PC
- 12VDC standard
- Pushbutton/LED on-board diagnostics
- Automatic self-calibration, unit will never require user calibration
- Advanced diagnostics with PC
- Warranty: 2-Years, parts and labor

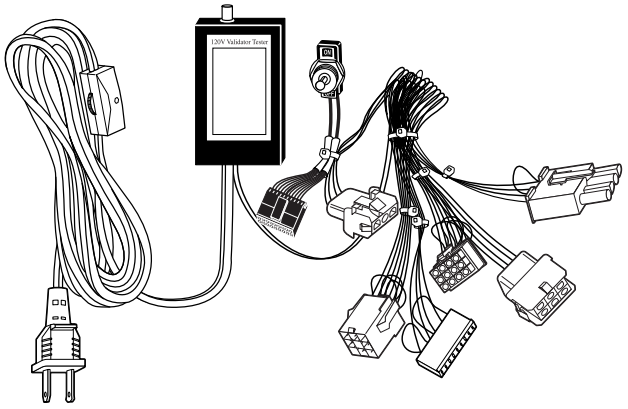
PYRAMID TECHNOLOGIES, INC.
CURRENCY VALIDATION EXPERTS

TRILOGY



Part Number		Price per ea.
42-3915-00	Trilogy Stackerless Validator 12VDC Pulse Mode	151.99

BILL VALIDATOR TESTER



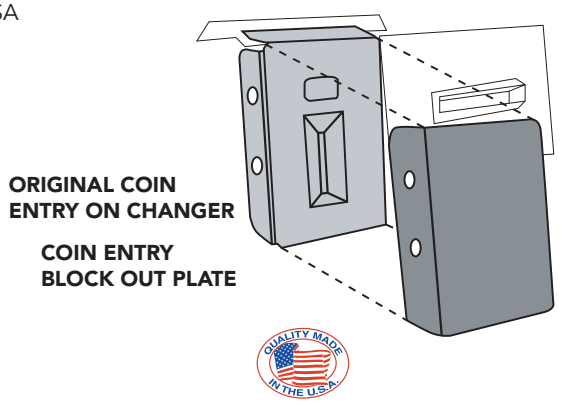
- Save money by testing the validator before sending them into repair centers
- Verify the operation of your validator while on location
- Use to bench test validators in your shop
- Upon acceptance of a good bill, the tester lamp will blink once for each pulse received

- 120V Used on: Ardac - USA
  Coinco – BA30B
  Conlux/Maka – NB, NB2, NBE, MKA, NBU
  MEI – VFM Series, VN2000, AE2000, AE2600,GL5, AL4, LE
  Rowe – CBA 2 soda version, CBA2, UBA2
- 24 V Used on: Ardac – USA, DBA Series, Tray Acceptors
  Coinco – BA32SA
  Conlux/Maka – NB14B, NB1LB, NB2-14B, NB2- 14C, NB2-16A, NBE21, NBE21B, NB-2JA, NB-2BA
  MEI – VFM Series, L405

Part Number		Price per ea.
42-8042-00	120V Bill Validator Tester	111.30
42-8043-00	24V Bill Validator Tester	142.05

ROWE CHANGER COIN ENTRY BLOCK OUT PLATE

- Easy & clean way to eliminate coin acceptance within Rowe BC20, BC25 and BC35 changers
- Installs using existing hardware within changer
- Clear zinc finish provides nice finished look
- Made in USA



Part Number		Price per ea.
95-2232-00	Rowe Changer Coin Entry Block Out Plate	9.90

CT3 COIN CHANGER & BILL VALIDATOR TESTER

NEW

- The CT3 allows the test and repair of most coin changers, bill acceptors and even cashless systems on the market
- Advanced features such as the capability of testing coin changers having up to 7 tubes of change as well as a vend simulator with three programmable selections
- Pays for itself within a short time
- The CT3 can test Single Price 120V coin changers, Logic 24V and 117V with 12 or 15 pins, MDB coin changers and bill acceptors
- Features including Multimode coin changer and bill validator tester, exclusive SSPS (SEM Short Protection System), Auto-Test function and a serial printer output
- Auto Test feature takes you step-by-step through the testing process
- S.E.M. Short Protection System electronically detects power surges thereby reducing the risk of damage to the item and the tester.

The CT3 Vending Tester PRO can test the following type of equipment:

- Single Price 120 volts coin Changer
- Logic (Dumb) 12 pins 117 VDC Coin Changer
- Logic 12 pins 24 VDC Coin Changer
- Logic 15 pins 24 VDC Coin Changer
- MDB Coin Changer with up to 7 tubes
- MDB Bill Acceptor

S.E.M. inc.

Part Number		Price per ea.
92-2322-00	CT3 Coin Changer & Bill Validator Tester	876.36
92-0340-00	Changer Stand	100.40
92-0339-00	External Bill Validator Module (EBVM) For Pulse Type Bill Validators	139.40

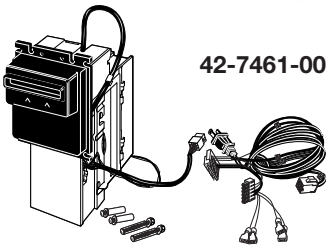
MEI BILL VALIDATOR UPGRADE KITS FOR ROWE® JUKEBOXES

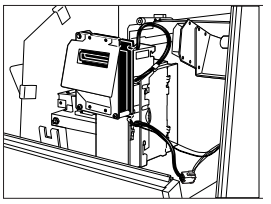
- Upgrade your Rowe jukebox to accept a reliable MEI Series 2000 Bill Validator
- Reduce service calls and save time and money
- MEI validator will easily update to the new $5 bill via EPROM change
- "Clean and Easy" installation without any "Splicing" of wires
- No reprogramming of jukebox required
- Installation time approximately 30 minutes
- Accepts $1, $2, & $5 bills
- Kits come complete with the following items:
  - MEI AE-2411-U7E validator (700 bill capacity upstacker)
  - Custom Wire Harness
  - Mounting Hardware
  - Instructions

Less JAM, more dough.

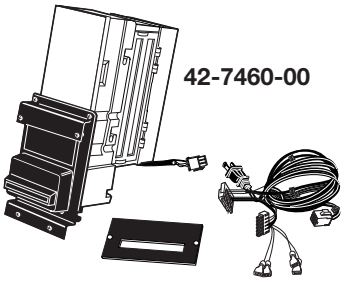
Note: Wall Mount jukeboxes require Wall Mount Power Adapter Harness (42-7460-10) Sold Separately

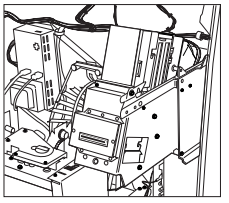
42-7461-00



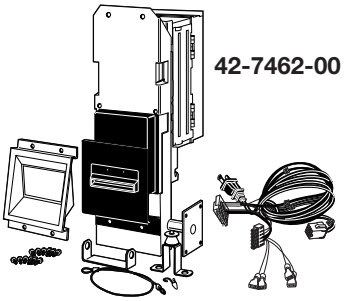


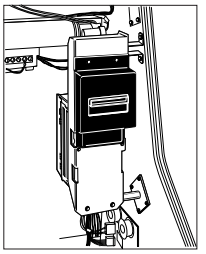
42-7460-00



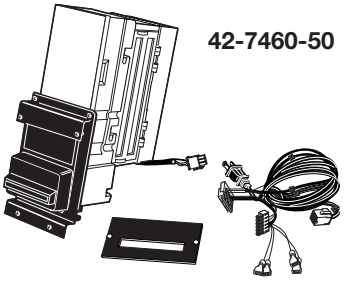


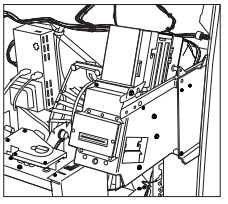
42-7462-00



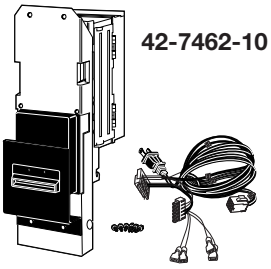


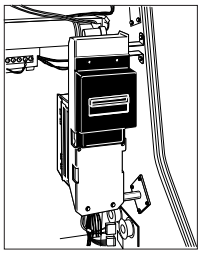
42-7460-50





42-7462-10



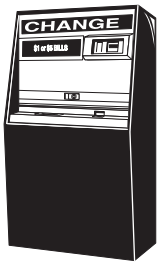


Part Number		Price per ea.
42-7461-00	For OBA Validators, Jukebox Rowe® 100, 100A and 100B	438.75
42-7460-00	For CBA2 Validators, Rowe® Jukebox 100C, D, E, F, MM3*, Encore*, Storm*, Berkley*, Sunset*	461.90
42-7460-50	For CBA2 Validators, Rowe Wallbox Models WP100, Berkeley, Sunrise, & Storm	395.00
42-7462-00	For RBA7 Validators, Rowe® Jukebox 100G and 100H- equipped without a Bill Validator	519.80
42-7462-10	For Rowe Jukebox 100G & 100H to replace existing RBA 7 Validator	439.90
42-7460-10	Wall Mount Power Adapter Harness	10.95

*Wall Mount jukeboxes require Wall Mount Power Adapter Harness (42-7460-10) Sold Separately

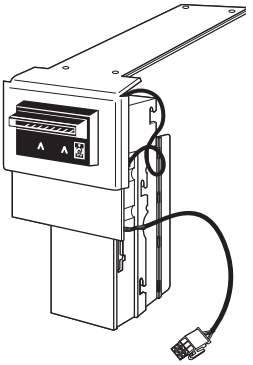
BILL CHANGER UPGRADE KITS

- Upgrade your old bill changers to accept either $1 - $5, or $1 - $20 bills
- The validator mounts directly to the original track where the transport has been replaced, not to the door that swings out. Therefore, clearance is no problem with the validator
- Complete kit comes with a MEI Series 2000 validator with 700 bill upstacker
- MEI validators have been updated to accept the new $5, $10 and $20 bills
- MEI validators allow a high acceptance of all bills
- Can be directly replaced with any MEI VN-2501, AE-2411 of AE-2600 validator
- Changer is still able to accept coins
- Takes about 30 minutes to install

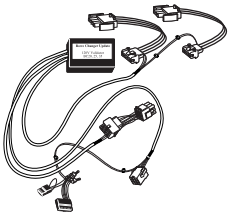


Rowe® BC35 Bill Changer

Part Number	Bill Changer	Will Accept	Description	Price per ea.
42-7465-00	Rowe BC1	$1 - $20	Kit w/o Validator	229.95
42-7350-00	Rowe BC11	$1 - $5	Kit w/o Validator	215.20
42-7351-00	Rowe BC12	$1 - $5	Kit w/o Validator	220.60
42-8196-00	Rowe BC12	$1 - $20	Kit w/o Validator	287.75
42-7352-00	Rowe BC20/25/25MC	$1 - $5	Kit w/o Validator	215.20
42-8090-00	Rowe BC35	$1 - $5	Kit w/o Validator	219.50
42-8197-00	Rowe BC35	$1 - $20	Kit w/o Validator	257.95
42-8188-00	Rowe BC3500	$1 - $20	Kit w/o Validator	569.25
42-3346-00	Rowe BC100	$1 - $20	Kit w/o Validator	363.90
42-3355-00	Rowe BC1200	$1 - $5	Kit w/o Validator	244.75
42-3503-00	Rowe BC1200	$1 - $20	Kit w/o Validator	287.75
42-7465-700	Rowe BC1	$1 - $20	Kit w/ Validator	671.40
42-7464-700	Rowe BC9	$1 - $20	Kit w/ Validator	926.05
42-7350-700	Rowe BC11	$1 - $5	Kit w/ Validator	558.95
42-8195-700	Rowe BC11	$1 - $20	Kit w/ Validator	716.60
42-7351-700	Rowe BC12	$1 - $5	Kit w/ Validator	561.45
42-8196-700	Rowe BC12	$1 - $20	Kit w/ Validator	719.95
42-7352-700	Rowe BC20/25/25MC	$1 - $5	Kit w/ Validator	561.47
42-8192-700	Rowe BC20/25/25MC	$1 - $20	Kit w/ Validator	716.60
42-8090-700	Rowe BC35	$1 - $5	Kit w/ Validator	561.45
42-8197-700	Rowe BC35	$1 - $20	Kit w/ Validator	716.60

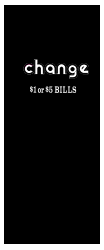


MEI Bill Validator

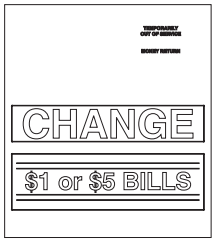


Harness Assembly

ROWE® BILL CHANGER OVERLAYS



A



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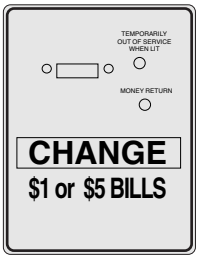

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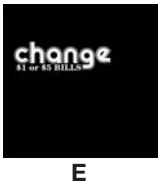

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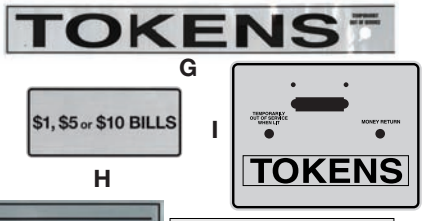


G H I

F

J

Ref.	Part Number		Price per ea.
A	H1715R	BC11/12 $1 & $5 Overlay - Black	19.55
B	H170R	BC11 $1 & $5 White on Clear	12.95
C	H166R	BC12 $1 & $5 Instruction Decal	20.70
D	H167R	BC12 $1 & $5 Instruction Decal	21.00
E	H1693R	BC8/9/20 $1 & $5 Overlay	23.30
F	H35074331R	BC35 Change Decal	11.75
G	27-1324-00	BC1200 "Tokens" Decal	11.75
H	27-1325-00	BC1200 $1, $5 or $10 Bill Overlay	16.50
I	27-1326-00	BC1200 "Tokens" Overlay	28.80
J	H35074329R	$1 & $5 Change Decal	15.55
-	49-0474-00	Black Pica Vinyl, 40" wide (Matches A & E Overlays)	5.25 ft. 4.45 ft. L/150

VALIDATOR LABEL SETS

- Bright yellow label with black printing
- Laminated for durability and longevity
- Arrows attract attention to where money is to be inserted into validator
- Interior labels used to identify bill denominations accepted
- For use on either Stackerless, Upstacker, or Downstacker applications as noted

MEI

49-0800-00

MEI

49-0800-10

CashCode

49-0800-20

CashCode

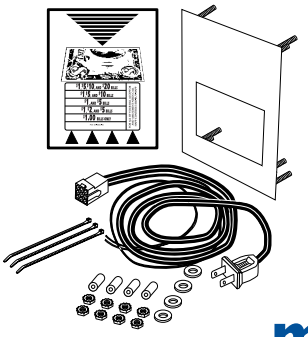
49-0800-30

Part Number		Price per ea.	L/100
49-0800-00	Validator Label Set for MEI Series 2000 (Upstacker & Downstacker)	2.05	1.55
49-0800-10	Validator Label Set for MEI AL & GL Series (Stackerless, Upstacker & Downstacker)	2.05	1.55
49-0800-20	Validator Label Set for CashCode Stackerless	2.05	1.55
49-0800-30	Validator Label Set for CashCode UNV Universal Stacker (Upstacker & Downstacker)	2.05	1.55

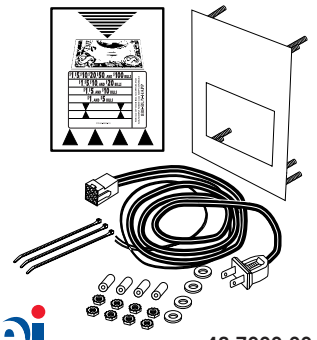
Visit Our Web Site:
happ.com
for NEW Product Updates!!

VALIDATOR MOUNTING KITS-MEI

- Kit includes the necessary items required to mount bill validator to either wood or steel
- Kit includes: Bright yellow decal with black printing, Mounting Plate with Pem Studs, Power Cable with Plug, 3 Tie Wraps, Spacers, Washers, and Nuts with Keps
- For use on either Stackerless, Upstacker, or Downstacker applications as noted



42-3200-00

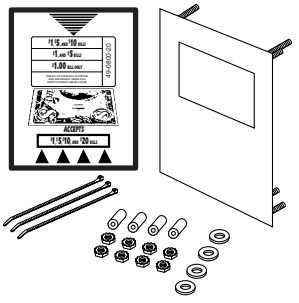


42-7000-00

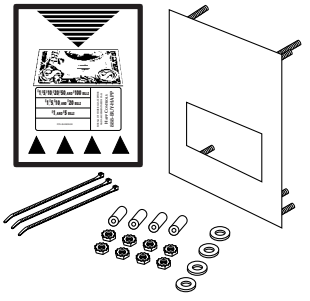
Part Number		Price per ea.
42-3200-00	Happ Mounting Kit for MEI Series 2000 Upstacker with either Contact Bezel (Bezel option #1) or Compact Fitted Bezel (Bezel option #5)	21.95
42-7000-00	Happ Mounting Kit for MEI AL, GL, LE (Stackless,Upstacker & Downstacker) and Series 2000 Downstacker with VFM5S Downstacking Bezel (Bezel Option #3)	20.85

VALIDATOR MOUNTING KITS-CASHCODE

- Kit includes the necessary items required to mount bill validator to either wood or steel
- Kit includes: Bright yellow decal with black printing, Mounting Plate with Pem Studs, 3 Tie Wraps, Spacers, Washers, and Nuts with Keps
- For use on either Stackerless, Upstacker, or Downstacker applications as noted



42-7002-00



42-3199-00

Part Number		Price per ea.
42-7002-00	Mounting Kit for CashCode Stackerless (Upstacker & Downstacker)	15.30
42-3199-00	Mounting Kit for CashCode UNV Universal Stacker (Upstacker & Downstacker)	15.60

"OUT OF ORDER" LABEL

- Black on orange
- Size: 1 1/2" x 2"
- Special adhesive for easy removal

Part Number		Price per ea.	L/100
42-7017-00	"Out of Order" Label	.33	.28

"FOR SERVICE CALL" LABEL

- Your name and address in up to 4 lines of copy
- To order specify copy as you wish it to appear
- Pressure sensitive adhesive backing
- Color: black on silver
- Size: 2" x 3"
- Minimum order: 250

Part Number		Price per ea.	L/250
49-0643-XXX	"For Service Call" Personalized Labels	2.10	

"NO REFUND" LABEL

- Bright red on white background
- Size: 3" x 4-5/8"

Part Number		Price per ea.	L/50
49-0656-00	"No Refund" Label	.85	.70

"WARNING" LABEL

- Pressure sensitive label
- Color: Black on Silver
- Size: 2-1/2" x 4-3/4"

Part Number		Price per ea.	L/100
42-7016-00	"Warning" Label	.75	.70

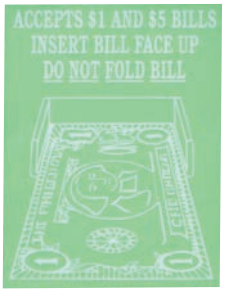
VALIDATOR LABEL SET

- Attaches to top of bill entry chute on validator – makes it easy to see
- Black print on bright yellow background
- Adhesive backed
- Size: 2.75" x .75"
- Complete set of all labels shown at right

Part Number		Price per ea.	L/25
42-0548-00	Validator Label Set	2.70	2.35

BILL VALIDATOR LABEL

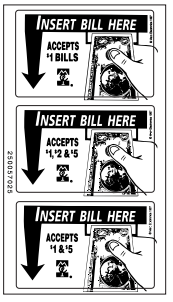
- Accepts $1 and $5 Bills
- Use on Rainbow crane games and others
- White print on clear mylar label with adhesive backing
- Size: 3-1/4" x 4/1/4"



Part Number		Price per ea.
42-7191-00	Bill Validator Label	3.45

MEI VALIDATOR LABEL SET

- 3 different labels
- Accepts $1 Bills, Accepts $1 & $5, Accepts $1, $2 &$5
- Black and green on bright yellow
- Size: 2-7/8" x 1-7/8"
- Adhesive backed
- Laminated front



Part Number		Price per ea.	L/25
250057025	MEI Validator Label Set	.59	.49

Visit Our Web Site:
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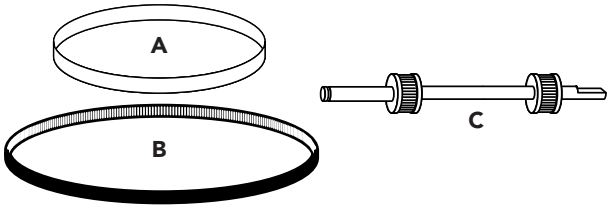
for NEW Product Updates!!

ROWE BILL CHANGERS

MODEL CBA-II REBUILDING KIT

Part Number		Price per ea.
27-1206-00	Model CBA-II Rebuilding Kit For 448E/548/648/4900/5900	39.40

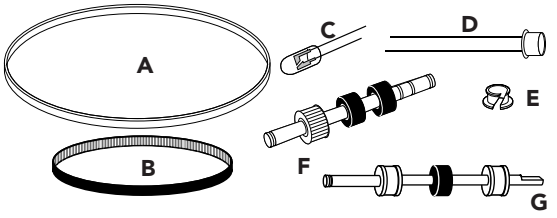


Rebuilding Kit Includes: (All parts are also sold separately)

Item Key	Number	Description	Qty. Incl.	Price per ea.
A	H0031956R	Timing Belt	2	7.35
B	H0031946R	Timing Belt	2	7.35
C	H25244101R	Upper Shaft & Pulley	1	8.95

MODEL BA-50 DELUXE REBUILDING KIT

Part Number		Price per ea.
27-1204-00	Model BA-50 Deluxe Rebuilding Kit	85.30

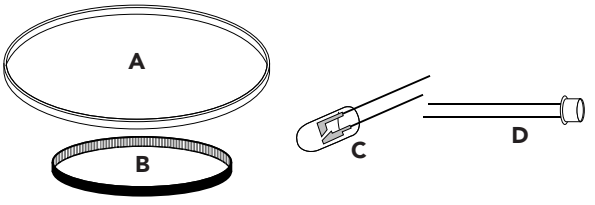


Rebuilding Kit Includes: (All parts are also sold separately)

Item Key	Number	Description	Qty. Incl.	Price per ea.
A	H35114901R	Upper Belt, Drive	2	7.15
B	H35082005R	Timing Belt	2	6.20
C	H70035314R	LED Lamp	1	2.70
D	H25236302R	Photoconductive Cell	2	10.30
E	H70146004R	Bearing Nyliner	4	.75
F	H35114501R	Shaft & Pulley, (Front Roller)	1	21.00
G	H35113601R	Drive Shaft Assembly, (Lower Roller)	1	25.00

MODEL BA-50 STANDARD REBUILDING KIT

Part Number		Price per ea.
27-1205-00	Model BA-50 Standard Rebuilding Kit	33.65



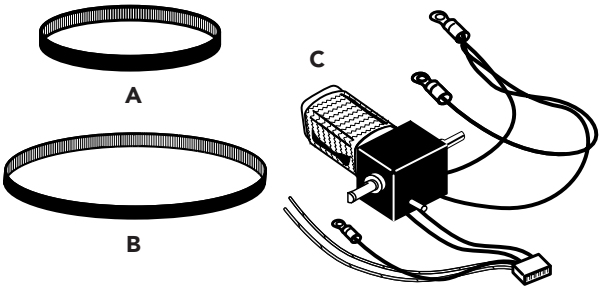
Rebuilding Kit Includes: (All parts are also sold separately)

Item Key	Number	Description	Qty. Incl.	Price per ea.
A	H35114901R	Upper Belt, Drive	2	7.15
B	H35082005R	Timing Belt	2	6.20
C	H70035314R	LED Lamp, Green	1	2.70
D	H25236302R	Photoconductive Cell	2	10.30

ARDAC REBUILDING KIT

Ardac

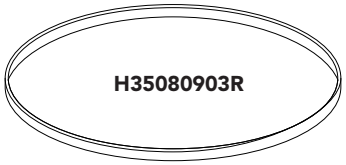
Part Number	Description	Price per ea.
27-1210-00	Ardac Bill Changer Rebuilding Kit for USA 3, USA 15, 24V DBA, MDB	85.70



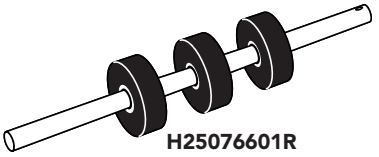
Rebuilding Kit Includes: (All parts are also sold separately)

Item Key	Number	Description	Qty. Incl.	Price per ea.
A	29X121	Idler Belt	2	3.25
B	29X174	Drive Belt	2	4.10
C	2X5007-USA	USA Transport Motor	1	79.10

PARTS FOR ROWE BILL CHANGERS

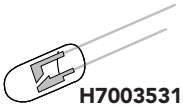

H35080903R

H35074331R


H25076601R

H35082004R

H25223702R

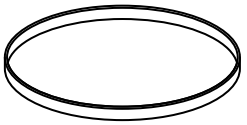

H70035314R

Part Number	Rowe Number	Description	Price per ea.
H166R	166	BC 12 $1 & $5 Instruction Decal	20.70
H167R	167	BC 12 $1 & $5 Instruction Decal	21.00
H170R	170	BC 11/12 $1 & $5 White on Clear Overlay	12.95
H1715R	1715	BC 11/12 $1 & $5 Overlay	19.55
H21312501R	21312501	Idler Roller, Drive	.95
H21312801R	21312801	Timing Belt	4.65
H25073801R	25073801	Timing Belt	3.05
H25076002R	25076002	Magnetic Head Assy.	25.35
H25078601R	25078601	Grommet	.65
H25194701R	25194701	Idler Roller	2.70
H25236302R	25236302	Photoconductive Cell	10.30
H25244101R	25244101	Upper Shaft & Pulley	8.95
H35074331R	35074331	BC 35 Change Decal	11.75
H35080501R	35080501	Roller Assy.	24.00
H35082001R	35082001	Timing Belt	5.00
H35082002R	35082002	Timing Belt, Motor Drive	3.85
H35082004R	35082004	Timing Belt	8.60
H35082005R	35082005	Timing Belt	6.20
H35113601R	35113601	Drive Shaft Assy., Lower Roller	25.00
H35114501R	35114501	Shaft & Pulley, Front Roller	21.00
H35114901R	35114901	Upper Belt, Drive	7.15
H35118601R	35118601	Drive Belt, Clear	2.25
H45077201R	45077201	Timing Belt, High Friction	6.65
H70035314R	70035314	LED Lamp, Green	2.70
H70146004R	70146004	Bearing, Nyliner	.75
H0031946R	0031946	Timing Belt	7.35
H0031956R	0031956	Timing Belt	7.35

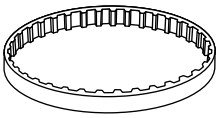
BELTS FOR BILL VALIDATORS

- Top quality replacement bill validator belts
- Easy to use reference guide helps you figure out which belt you have, without knowing the manufacturer's part number
- A complete selection of the most popular replacement belts for all the major manufacturers
- Made in the USA

Type A



Type B



Type C

Type D

Type E

Part Number	Ref. No.	Description	Belt Type	Model	Size	Price per ea.
H290119	29X119	Stacker Belt, Gray	A	Ardac	15" x .25"	4.20
29X121	29X121	Idler Belt, Black	A	Ardac	7" x .125"	3.25
29X174	29X174	Drive Belt, Black	A	Ardac	15" x .25"	4.10
42-3124-00	29X083	Timing Belt	C	Ardac MBA	4.125"X.25"	5.05
42-3125-00	29X82	Drive Bolt	C	Ardac MBA	5.75"X.25"	6.05
42-3138-00	29X84	Top belt	B	Ardac MBA	5.62"X.25"	3.35
42-7109-00	29X24	Flat Idler Belt	B	Ardac 29 x 24	11" x .25"	6.05
921403	921403	Belt, Chasis, Black	A	Coinco	18.5" x .25"	6.60
921296	921296	Intermediate Wide Belt	B	Coinco	15.5" x .25"	10.00
920815	920815	Belt, Lower Housing	A	Coinco	4.5" x .375"	4.00
H440532	440532	Belt #1	A	Maka	4" x .125"	2.70
H440533	440533	Belt #2	A	Maka	14.25" x .25"	4.00
04-22-137	04-22-137	Gray Belt	A	MEI VFM5 , GL5	6.5" x .25"	4.10
04-22-162	04-22-162	Black Timing Belt	A	MEI VFM 1,2,3 & 4	6" x .25"	3.95
111597059	111597059	Stacker Belt, Single Bill	B	MEI VFM Series	7.5" x .125"	5.45
111597118	111597118	Drive Ring - Ribbed	D	MEI VFM Series	2.75" x .25"	1.20
111597118F	111597118F	Drive Ring - Flat	E	MEI VFM Series	2.75" x .25"	.63
250021015	250021015	Large Timing Belt	A	MEI Series 2000	5.72" x .19"	5.55
250023014	250023014	Small Timing Belt	A	MEI Series 2000	4.25" x .125"	7.50
42-7443-00	251028034	Flat Yellow Belt	B	MEI ZT Series	5.25" x 1.25"	6.35
H5271687N	5271687	Drive Belt, Black	B	National Buckpasser	9.5" x .25"	6.80
H0031946R	B0031946	Timing Belt	A	Rowe CBA2 UBA	18" x .25"	7.35
H0031956R	B0031956	Timing Belt	B	Rowe CBA2	20.5" x .25"	7.35
H21312801R	21312801	Timing Belt	C	Rowe BA20	12.75" x .19"	4.65
H25073801R	25073801	Timing Belt	C	Rowe BA20/35	7" x .1875"	3.05
H25186401R	25186401	Drive Belt, Semi Stretch	B	Rowe BA-35	7.296" x .313"	6.60
H35080903R	35080903	Drive Belt	B	Rowe CBA-1	21.25" x. 25"	10.75
H35082001R	35082001	Timing Belt	A	Rowe OBA	5.5" x. 25"	5.00
H35082002R	35082002	Timing Belt, Motor Drive	C	Rowe BA-35	8" x .1875"	3.85
H35082004R	35082004	Timing Belt	A	Rowe CBA-1	18.75" x .254"	8.60
H35082005R	35082005	Timing Belt	A	Rowe BA-50	16.75" x .25"	6.20
H35114901R	35114901	Upper Drive Belt	B	Rowe BA-50	18.5" x .25"	7.15
H35118601R	35118601	Drive Belt, Clear	B	Rowe OBA	11.375" x .25"	2.25
H45077201R	45077201	Timing Belt, High Friction	A	Rowe OBA	11" x .25"	6.65

EVOLUTION HOPPER

NEW

- This belt driven hopper has been re-engineered and the result is a improvement over existing belt driven hoppers in its performance and maintenance.
- The unique concept provides a single build type hopper that is suitable for 95% of world's coins and tokens without needing adjustments.
- The Evolution Hopper is suitable for many applications such as: Vending, Parking, Change, Amusement and Gaming machines.
- Made from extremely strong, wearing resistant plastics in combination with state of the art electronics resulting in low cost of ownership.
- Large DC motor in combination with electronic motor control board for reduced friction and motor noise.
- Optic board is easily accessible by removing the electronic control board from outside the hopper.
- Connector can be easily changed from front to back by just loosening two screws and pulling the cable with connector in its position. (reduced inventory for manufacturers that use both styles)
- The Evolution Hopper is available in different interfaces: Standard parallel, ccTalk encrypted and non-encrypted serial interfaces.
- Serial interfaces provide higher security and better diagnostics especially by networked machines.
- Supplied with standard quick-fit and release plate, connector as shown or optional with Bulgin connector

Bulgin (Black) Connector

SUZO®

Cinch (Yellow) Connector

Features:

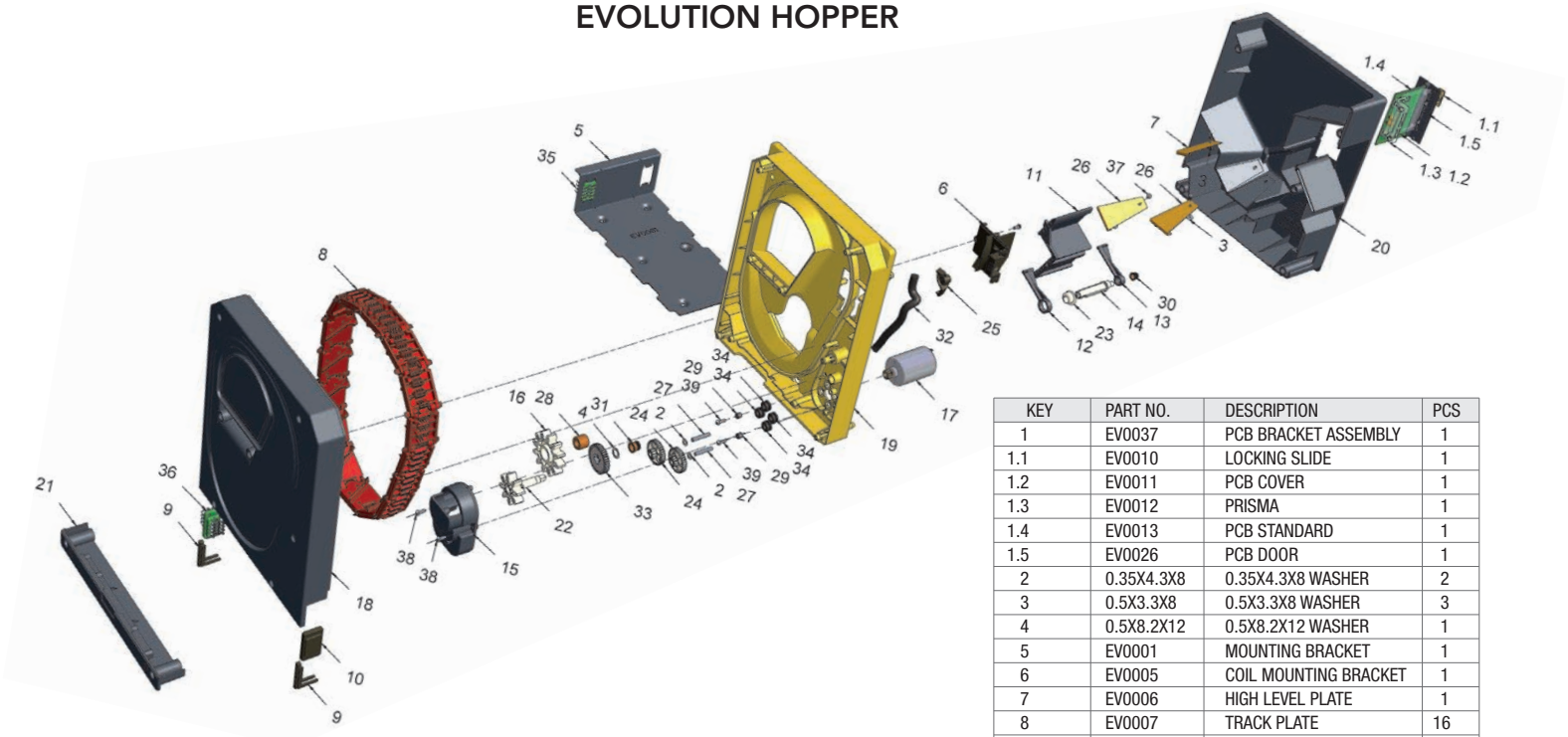
- Modular space –efficient system
- High capacity >1500 coins of Quarters
- RoHs Compliant
- In build agitator to prevent coin jams
- Hopper is protected by anti-jam electronics
- Large motor reduces motor noise
- High quality materials for long trouble free operation
- Easily removable and accessible electronics
- Hopper connector can easily be changed from front to back
- Low and high level sensing
- Competitively priced
- Low cost of ownership
- 3 Different coin sizes available: 16.25-20.9mm, 19-26.4mm (Euro Hopper), 21-30mm

For more information please contact your nearest Suzo-Happ office

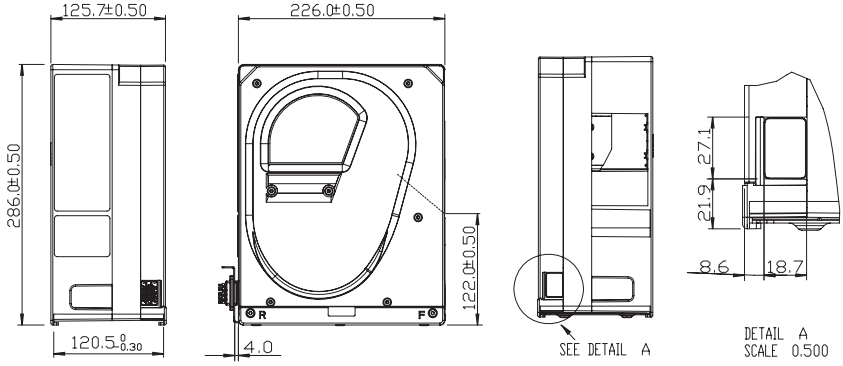
Part Number		Price per ea.
EV100-001B	For 5¢, 25¢, SBA with Yellow (Green) Connector pulse or on/off	189.99
EV100-011B	For 5¢, 25¢, SBA with Black Connector pulse or on/off (Used by American Changer® and Namco CyberTainment®)	189.99
EV100-201B	For 5¢, 25¢,SBA with Yellow (Green) Connector CCTalk	189.99

SUZO • HAPP GROUP
GAMING, AMUSEMENT & INDUSTRIAL COMPONENTS

EVOLUTION HOPPER



Convenient cleaning of the coin optics by taking out the electroninc and optic board without the use of tools.



KEY	PART NO.	DESCRIPTION	PCS
1	EV0037	PCB BRACKET ASSEMBLY	1
1.1	EV0010	LOCKING SLIDE	1
1.2	EV0011	PCB COVER	1
1.3	EV0012	PRISMA	1
1.4	EV0013	PCB STANDARD	1
1.5	EV0026	PCB DOOR	1
2	0.35X4.3X8	0.35X4.3X8 WASHER	2
3	0.5X3.3X8	0.5X3.3X8 WASHER	3
4	0.5X8.2X12	0.5X8.2X12 WASHER	1
5	EV0001	MOUNTING BRACKET	1
6	EV0005	COIL MOUNTING BRACKET	1
7	EV0006	HIGH LEVEL PLATE	1
8	EV0007	TRACK PLATE	16
9	EV0008	PLUG ADAPTOR BRACKET	2
10	EV0009	PORT BLANC	1
11	EV0014	COIN SHAKER	1
12	EV0015	SHAKER ARM A	1
13	EV0016	SHAKER ARM B	1
14	EV0017	CAMSHAFT	1
15	EV0018	GEARBOX COVER	1
16	EV0019	OUTPUT GEAR	1
17	EV0020	MOTOR 24VDC AND GEAR	1
18	EV0022	REAR-CABINET	1
19	EV0023	MIDDLE-CABINET	1
20	EV0024	FRONT-CABINET	1
21	EV0025	BOTTOM COVER	1
22	EV0027	IDLER GEAR	1
23	EV0028	CAMSHAFT BUSHING	1
24	EV0029	GEAR 12-34T	2
25	EV0030	CABLE-CLAMP	1
26	EV0031	LOW LEVEL PLATE	2
27	EV0032	GEAR SHAFT	2
28	EV0033	GEAR BUSHING	1
29	EV0034	SCREW BUSHING	2
30	EV0035	CAM BUSHING	1
31	EV0036	IDLER GEAR BUSHING	1
32	EV0039	CABLE WITH CONNECTOR	1
33	EV0040	GEAR 40T	1
34	EV0041	RUBBER ROLLER	4
35	EV24-11	FEMALE SOCKET 12 PIN	1
36	EV24-11-1	MALE SOCKET 12 PIN	1
37	LOCK PIN	LOCK-PIN	3
38	PHC M308N	SCREW	3
39	PHC M310S	SCREW	2

EMC approval:

- EN 55014-1 (2000) + A1 (2001) + A2 (2002): Electromagnetic Compatibility: Requirements for household appliances, electric tools and similar apparatus - Part 1: Emission.
- EN 55014-2 (1997) + A1 (2001): Electromagnetic Compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 2: Immunity – Product family standard.
- EN 61000-3-2 (2000): Electromagnetic compatibility - Part 3-2: Limits - Limits for Harmonic current emissions (equipment input current < 16A per phase).
- EN 61000-3-3 (1995) + A1 (2001): Electromagnetic compatibility - Part 3: Limits - Section 3: Limitation of voltage fluctuations and flicker in low- voltage supply systems for equipment with rated current < 16A.

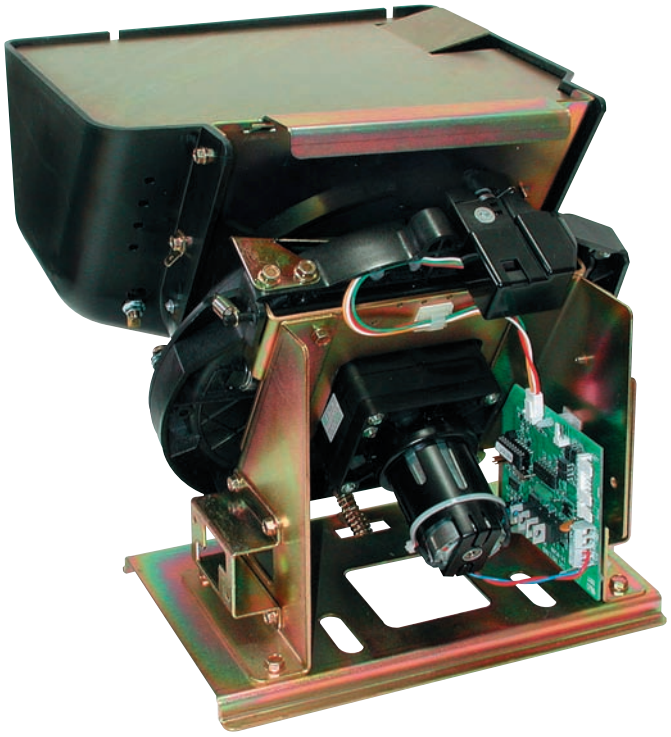
FCC approval:

- 47CFR15: Radio Frequency Devices.

Coin range:	Diameter	.63-1.22”	
	Thickness	.05-.14”	
Coin capacity:	1100 x E1		
Payout speed:	approx. 270 coins per minute		
Electrical Interface:		Parallel	Serial
Voltage:	Nominal	24 VDC	24 VDC
	Minimum	18 VDC	20 VDC
	Maximum	26 VDC	26 VDC
Current (typical):	Idle	40 mA	40 mA
	Empty	0.2 A	0.2 A
	Full	0.7 A	0.7 A
	Surge	2.5 A	2.5 A
Environmental:	Operating temperature	0-70ºC	
	Operating humidity	5-95%RH	
Interface Options:	–Standard: Parallel		
	–Serial: ccTalk		

excel™ hopper

NEW



Nearly 25 years of designing and manufacturing Hoppers has resulted in this new product. Understanding the needs of operators and manufacturers has led to this extremely durable and World's most service friendly hopper.

Features:

Planetary gearbox system provides the following advantages:

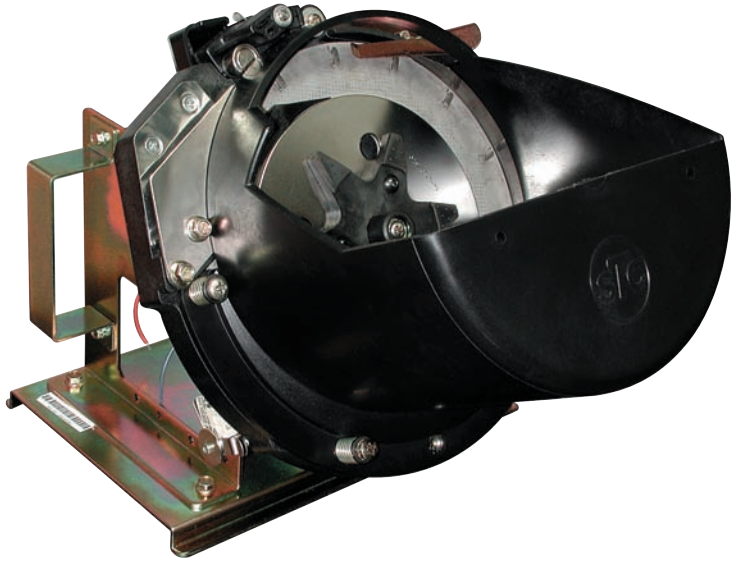
- Maximum torque with minimal power consumption.
  24V - 31 RMP load 6kg N.m 12V - 31 RMP load 5kg N.m
  24V - 24 RMP load 12kg N.m 12V - 24 RPM load 11kg N.m
- Standard supplied in 24VDC optional available in 12VDC.
  Power consumption:

Unloaded	Loaded	Stall autoreverse
24VDC 0.25 Amp	0.50 Amp	1.5 Amp
12VDC 0.30 Amp	0.70 Amp	1.6 Amp

- Silent operation.
- Unique bayonet motor connection for easy motor replacement.

Extra features:

- Indirect optic switch read out protected by dust and light cover.
- Easy accessible coin exit.
- Steel bearings offer stable disc rotation.
- Customised frame and cup specifications possible.
- All parts including pin and shelf wheels are 100% compatible with older generations STC hoppers.
- Easy to integrate for manufacturers who use older generation STC Casino Hoppers.
- Optionally available with wiring harness and AMP plug.
- Competitively priced!
- Modern look.
- Payout speed 450 coins per minute (<31mm coins) or with bigger size coins 275 coins per minute (>31.1mm coins).
- Rohs Compliant



Part Number	Bowl Size	Configuration	Voltage	US Coins	Mexican Coins	Canadian Coins	Price per ea.
16-6028-8	Wide	Pulse/Serial	12VDC	5 Cents	1 Peso	5 cents	181.98
16-6028-5	Wide	Pulse/Serial	12VDC	25 Cents	10 Peso	25 cents	181.98
16-6028-12	Wide	Pulse/Serial	12VDC	$1 SBA	5 Peso	$1	181.98

escendo HOPPER

SUZO®

NEW

ESCENDO ESCALATOR HOPPER

From one of the worlds largest casino hopper manufacturers, Suzo, comes the Escendo Escalator Hopper. This hopper solves most existing escalator hopper problems. These improvements are the result of nearly 5 years of development and have resulted in two world wide patents.

- The Escendo Escalator Hopper has a unique rotor system and brush track.
- The patented rotor system ensures one-by-one coin entry into the brush track, eliminating shingling (overlapping coins) which mostly results in a coin jam.
- As the coin comes into the track the coin is pushed towards the back plate by the patented brushes. It is totally insensitive to damaged or bent coins which often end up in a hopper jam.
- The brushes in the track are placed in a diagonal upward position pushing the coin upwards but preventing the coin from going down again. The result is low power consumption and less wearing parts.
- The planetary gearbox system guarantees low power consumption and silent operation. (Optionally available on 12VDC)
- Low maintenance and easy accessible are key in the Escendo hopper. The coin track is open on one side for visual inspection.
- The combination of these features has resulted in a service friendly hopper with extremely high performance.

Features:

- High performance and reliability.
- Low maintenance and easy accessible.
- Planetary gearbox for low power consumption and silent operation.
- Easy to change denomination between 0.83" – 1.18" (21 - 30 mm) or 1.19" – 1.57" (30.1 - 40 mm)
- Choice of optical or induction sensors for coin read out.
- Customized cups and frames possible, equal to side pay-out hoppers from Suzo.
- Selection of control boards available.

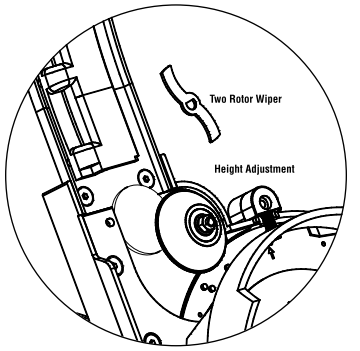
Technical specifications:

- Applicable coin size: diameter 0.83" – 1.57" (21 - 40 mm), thickness 0.06" – 0.13" (1.5 - 3.2 mm) On special request: coin size diameter 1.77" (45mm)
- Pay out speed: 210 - 420 coins per minute depending coin size.
- Voltage 12 or 24VDC.
- Power consumption (current):
  12VDC nominal: 1Amp / peak 3.0Amp 24VDC nominal: 0.6Amp / peak: 2.5Amp
- Available in 3 heights:

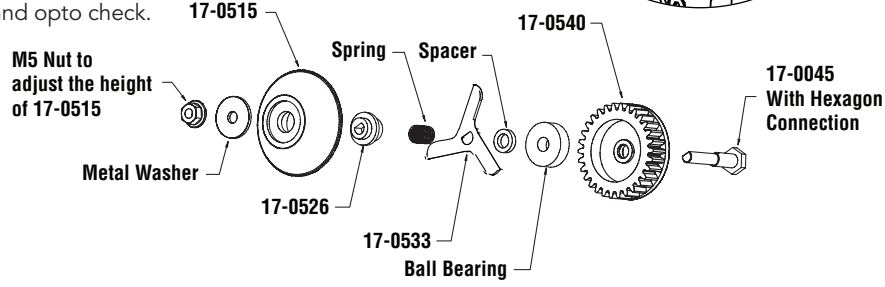
Pay-out height	Overall height
19.09" (485mm)	21.14" (537mm)
21.06" (535mm)	23.11" (587mm)
23.03" (585mm)	25.08" (637mm)

- Counting method: Optical sensors with pulse mode and opto check.
- Pay out side: standard right, optional left hand side.
- Operating temperature: 32° - 140°F (0° - 60°C)

Contact your sales representative for pricing and custom configurations.



Rotor Assy



CUBE HOPPER MKII®

The Most Reliable Small Hopper In The Market Today

The Cube Hopper MKII has been designed according to the highest standards for reliability and security in the Gaming, Vending and Amusement Industries. This hopper is constructed of extremely durable, wear-resistant plastic. As a single denomination hopper, it features high speed operation and expandable hopper capacity. The Cube Hopper MKII has quickly built it's reputation as the most successful hopper on the market today. It is used extensively throughout the world.

Standard Features:

- Standard 450 coins capacity. 0.94" D (ø24mm) Maximum 2 extensions up to 1.01" (25.6 mm)
- Quick pay out speed: 400 coins per minute
- Coin size range 0.71" – 1.22" (18 - 31mm). Thickness 0.06" / 0.126" (1.5 / 3.2mm)
- Coin cup extensions available (optional) which will increase capacity up to an average of 400 coins per extension 0.94" D(ø24mm).
- Supplied complete with mounting bracket.
- Easily and quickly converts into different coinage
- Low level cup sensing integrated into connector
- Planetary gearbox system provides maximum torque with minimal power consumption (350 mA to 850 mA with a 2 Amp peak on 24VDC).
- Standard operating voltages 12 or 24VDC.
- Duty cycle 2:1
- CE approved.
- Hopper is protected by auto reverse anti-jam.
- Integrated optical read-out sensor under platform. (Sensor cannot get dirty or be approached with any light source)
- Competitively priced!
- Rohs compliant

SUZO®

ccTalk Cube Hopper MKII

The ccTalk Cube Hopper MKII offers all standard features and an advanced interface with secured-encrypted payout commands and continuous opto-sensor check. Power-supply range is 12 – 24 VDC. Electronic payout speed control at 24 VDC.

CUBE HOPPER MKII SPECIFICATIONS	
Operating Voltage	12V DC ±10% or 24V DC -25% +10%
Minimal operating Voltage	Pin 8 : 10.8V DC - pin 7 : 18V DC
Temperature min.	0°C
Temperature max.	50°C
Duty Cycle	2:1
Humidity min.	20%
Humidity max.	75%
Coins per second	±7
Payout position	4 sides
Max. current not loaded	400mA
Max. current loaded	850mA
Max. current	2A (Jam)
Connector	9-way connector + pins Type: Molex 22-01-2095 + 08-50-0032
Payout signal	Open collector-active low 25mA-35V
Coin size	0.71"-1.22" (18.00mm - 31.00mm)
Coin thickness	0.06"-0.13" (1.50mm - 3.20mm)
Min. time between coins	100mS
Min. time obstructs optics	30mS

Cube Hopper MKII	ccTalk Cube Hopper	Country of Origin	Payout Denomination	Coin Disc	Insert Plate
10-1700-20	10-2000-20	USA	1 Cent, 5 Cent	10-0240-2	10-0238
10-1700-41	10-2000-41	USA	25 Cent	10-0240-4	10-0238-2
10-1700-83	10-2000-83	USA	SBA New & Old	10-0240-8	10-0238-3
10-1700-20	10-2000-20	Canada	1 Cent, 5 Cent	10-0240-2	10-0238
10-1700-40	10-2000-40	Canada	25 Cent	10-0240-4	10-0238-1
10-1700-83	10-2000-83	Canada	50 Cent, 1 Dollar	10-0240-8	10-0238-3
10-1700-84	10-2000-84	Canada	2 Dollar	10-0240-8	10-0238-4
10-1700-20	10-2000-20	Mexico	1 Peso	10-0240-2	10-0238
10-1700-41	10-2000-41	Mexico	5 Peso	10-0240-4	10-0238-2
10-1700-94	10-2000-94	Mexico	10 Peso	10-0240-9	10-0238-4
10-1700-41	10-2000-41	Token	0.984	10-0240-4	10-0238-2
10-1700-40	10-2000-40	Token	0.900, 0.880	10-0240-4	10-0238-1
10-1700-20	10-2000-20	Token	0.800	10-0240-2	10-0238
$169.95 ea.	**$189.95 ea.**	-	-	**$6.40 ea.**	**$2.45 ea.**

CUBE HOPPER EXTENSION

NEW

SUZO®

Enlarges the capacity of the Cube Hopper with 1 or 2 extensions.

Features:

- Capacity enlargement with 1 extension is from 450 to 900 coins, 0.94" D (ø24mm)
- Capacity enlargement with 2 extensions is from 450 to 1200 coins, 0.94" D (ø24mm)

  Only possible with coins maximum 1.01" D (25.6 mm)
- Easy snap-in fitting

Part Number		Price per ea.
10-0200	Cube Hopper Extension	6.15

COIN INSERT PLATE

NEW

SUZO®

Replacement plate for the Cube Hopper MKII. See the chart on the opposite page for the plate that corresponds with the denomination of your Cube Hopper MKII.

Coin Insert Plate	Country of Origin	Denomination	Price per ea.
10-0238	USA	1 Cent, 5 Cent	2.45
10-238-2	USA	25 Cent	2.45
10-238-3	USA	SBA New & Old	2.45
10-0238	Canada	1 Cent, 5 Cent	2.45
10-0238-1	Canada	25 Cent	2.45
10-0238-3	Canada	50 Cent, 1 Dollar	2.45
10-0238-4	Canada	2 Dollar	2.45
10-0238	Mexico	1 Peso	2.45
10-0238-2	Mexico	5 Pesos	2.45
10-0238-4	Mexico	10 Pesos	2.45
10-0238-2	Token	0.984	2.45
10-0238-1	Token	0.900, 0.800	2.45
10-0238	Token	0.800	2.45

DRIVER INTERFACE CABLE

NEW

SUZO®

- This interface solves the problem when the switching transistor in the host machine is not powerful enough to drive the CUBE HOPPER. It also fixes the problem of coins remaining in the coin exit.
- This occasionally happens if the "STOP" command is received too early. By checking the coin-out sensor, the interface will turn the motor until the coin blocking the optic sensor is ejected and cleared.

Part Number		Price per ea.
10-0150-1	Driver Interface Cable	8.57

PAYOUT DISC

NEW

SUZO®

Replacement disc for the Cube Hopper MKII. See the chart on the opposite page for the disc that corresponds with the denomination of your Cube Hopper MKII.

Payout Disc	Country of Origin	Denomination	Price per ea.
10-0240-2	USA	1 Cent, 5 Cent	6.40
10-0240-4	USA	25 Cent	6.40
10-0240-8	USA	SBA New & Old	6.40
10-0240-2	Canada	1 Cent, 5 Cent	6.40
10-0240-4	Canada	25 Cent	6.40
10-0240-8	Canada	50 Cent, 1 Dollar	6.40
10-0240-8	Canada	2 Dollar	6.40
10-0240-2	Mexico	1 Peso	6.40
10-0240-4	Mexico	5 Peso	6.40
10-0240-9	Mexico	10 Peso	6.40
10-0240-4	Token	0.984	6.40
10-0240-4	Token	0.900, 0.880	6.40
10-0240-2	Token	0.800	6.40

OVER/UNDER UPSTACKER VALIDATOR DOOR

- **New, thicker 16 gauge steel for improved security**
- Industry standard mounting dimensions allows this exclusive Happ design to be used in the most popular games
- Innovative design to accommodate up to a 500 Bill Capacity stacker for MEI AE Validator
- New innovative mech. holder design prevents "stringing" and holds mech. firmly in place for maximum coin acceptance
- Designed to utilize both MEI AE2451U3E & AE2451U5E and Ardac USA3 (88X5033) and DBA5 (88X5118) Bill Validators
- Accepts both bills and coins
- Capacity of over $1,350 in coins
- Validator Harness with AC plug included
- Security ribs cast into frame to prevent pry bar entry
- Fitted with $.25 U.S. mech.

Part Number		Price per ea.
40-7000-00	O/U Upstacker Validator Door w/o Validator	112.30
40-7300-00	O/U Upstacker Validator Door with MEI AE2451U3E Accepts $1, $5 bills (300 Bill Capacity Stacker)	499.00
40-7500-00	O/U Upstacker Validator Door with MEI AE2451U5E Accepts $1, $5 bills (500 Bill Capacity Stacker)	451.75
40-8300-00	O/U Upstacker Validator Door with MEI AE2651U3E Accepts $1, $5, $10, $20 bills (300 Bill Capacity Stacker)	729.35
40-8500-00	O/U Upstacker Validator Door with MEI AE2651U5E Accepts $1, $5, $10, $20 bills (500 Bill Capacity Stacker)	630.35

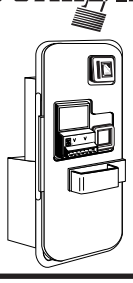
mei

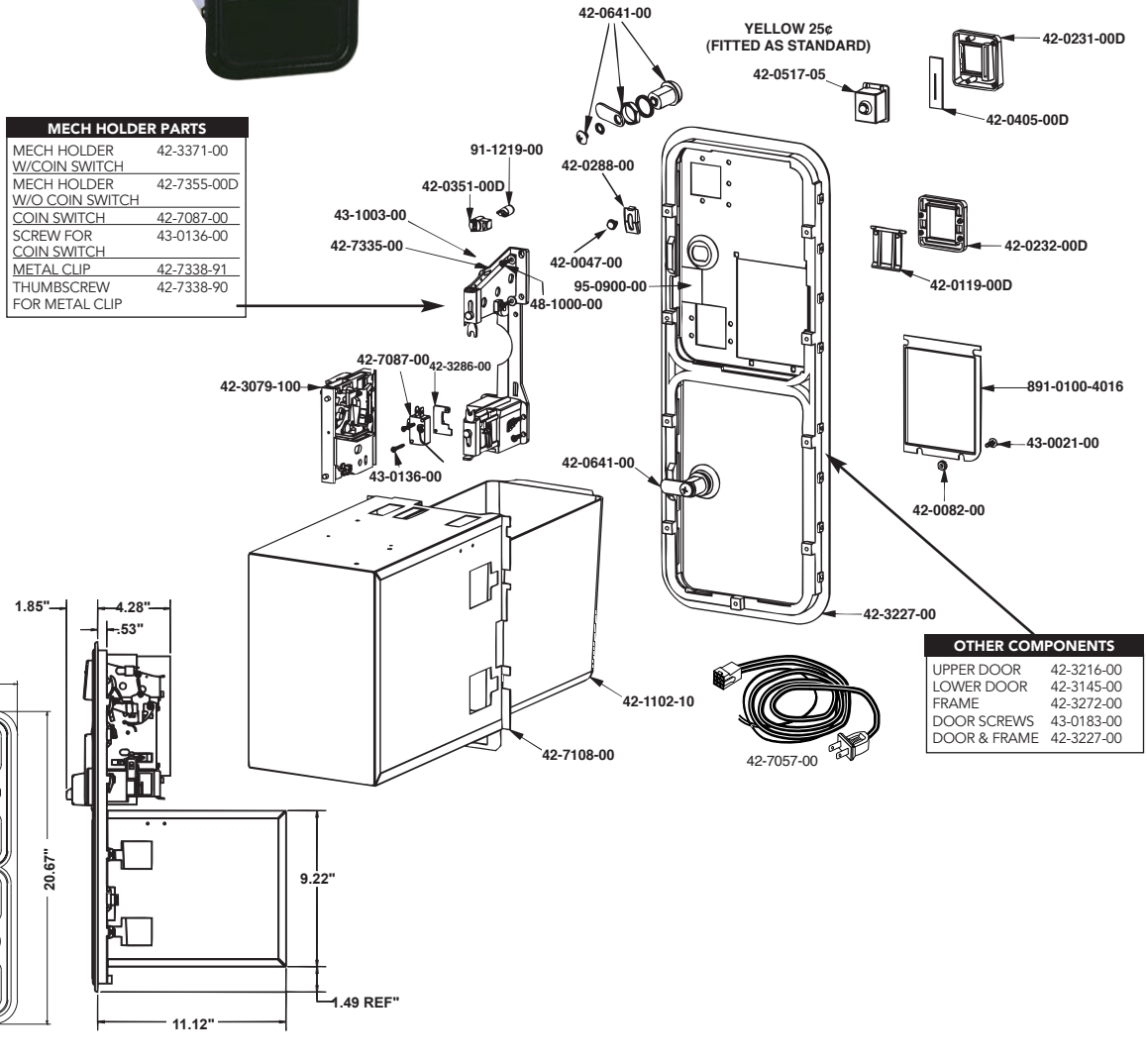
featuring

EXCLUSIVE!

Custom "Guardian" Security Hasp available to protect your dollars, see page 316

GUARDIAN





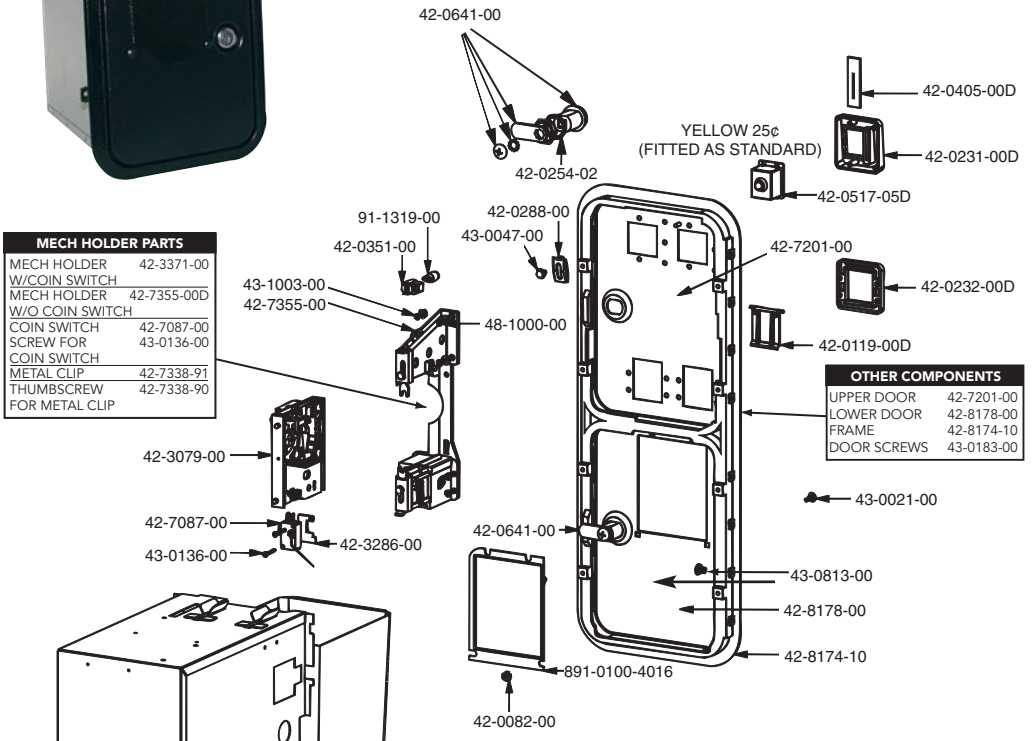
MECH HOLDER PARTS	
MECH HOLDER W/COIN SWITCH	42-3371-00
MECH HOLDER W/O COIN SWITCH	42-7355-00D
COIN SWITCH	42-7087-00
SCREW FOR COIN SWITCH	43-0136-00
METAL CLIP	42-7338-91
THUMBSCREW FOR METAL CLIP	42-7338-90

OTHER COMPONENTS	
UPPER DOOR	42-3216-00
LOWER DOOR	42-3145-00
FRAME	42-3272-00
DOOR SCREWS	43-0183-00
DOOR & FRAME	42-3227-00

2-COIN ENTRY OVER/UNDER STACKER VALIDATOR DOOR

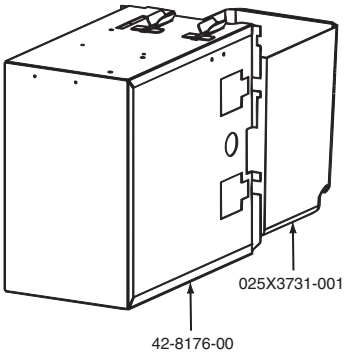
- Industry standard mounting dimensions allows this exclusive Happ design to be used in the most popular games
- Innovative design to accommodate up to a 300 Bill Capacity stacker for MEI AE Validator
- New innovative mech. holder design prevents "stringing" and holds mech. firmly in place for maximum coin acceptance
- Designed to utilize MEI AE2411U3E or AE2451U3E Bill Validators in an upside down position
- Accepts both bills and coins
- Capacity of over $1,000 in coins
- Validator Harness with AC plug included
- Security ribs cast into frame to prevent pry bar entry
- Fitted with $.25 US mech

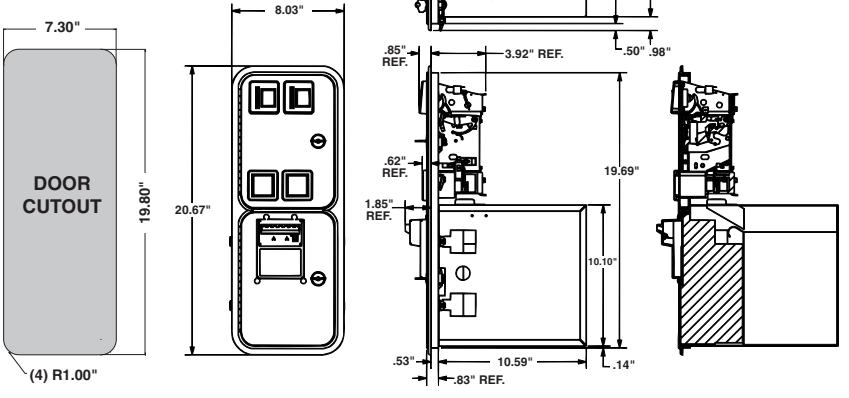
Part Number		Price per ea.
40-6000-00	2-Coin Entry O/U Stacker Validator Door, $.25 & $.25 w/o Validator	124.00
40-6000-10	2-Coin Entry O/U Stacker Validator Door, $1.00 & $.25 w/o Validator	146.45
40-6300-00	2-Coin Entry O/U Stacker Validator Door, $.25 & $.25 With MEI AE2451U3E (300 Bill Capacity Stacker)	525.25



MECH HOLDER PARTS	
MECH HOLDER W/COIN SWITCH	42-3371-00
MECH HOLDER W/O COIN SWITCH	42-7355-00D
COIN SWITCH	42-7087-00
SCREW FOR COIN SWITCH	43-0136-00
METAL CLIP	42-7338-91
THUMBSCREW FOR METAL CLIP	42-7338-90

OTHER COMPONENTS	
UPPER DOOR	42-7201-00
LOWER DOOR	42-8178-00
FRAME	42-8174-10
DOOR SCREWS	43-0183-00





EXCLUSIVE!

Custom "Guardian" Security Hasp available to protect your dollars, see page 315

GUARDIAN

CONVERTIBLE COIN/CURRENCY DOOR SYSTEM

Happ introduces the first **Flexible** coin door system that changes with your needs.

The Convertible Coin/Currency Door System from **Happ** is designed with ***Flexibility*** in mind. The upper door of this new innovative coin door is designed to be easily removed and converted to various door combinations to maximize your potential earnings. Whether it be a 2-Coin Entry, or 1 Coin Entry with Validator, conversion is as easy as removing 4 screws and installing the upper door of your choice. For easy identification purposes, each Convertible Coin/ Currency Door System is identified with a yellow label just under the lock of the upper door.

Be certain to exercise your ***Flexibility*** on your next game simply ask for it by name, **Convertible Coin/Currency Door** System exclusively from **Happ.**

***Will also work with Wells Gardner/Coin Controls frame**

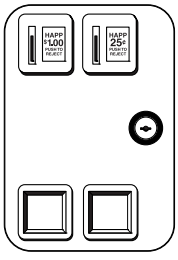
The Convertible Coin/Currency Door System is utilized in the following coin/currency doors:

Over/Under Door
Page 78

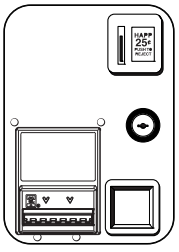
Over/Under Upstacker Validator Door, **Page 75**

UPPER DOOR ASSEMBLIES

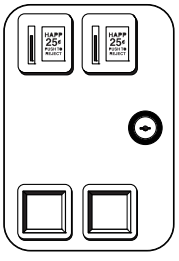
mei™



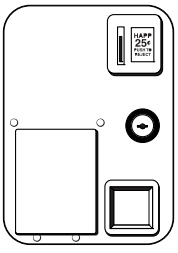
42-7196-100
2 Coin Entry
($1.00 and $.25)



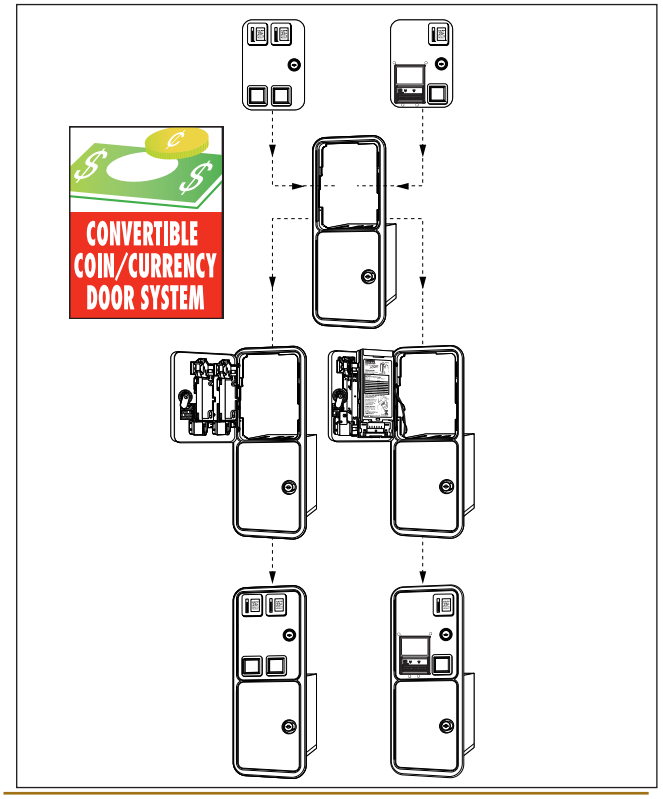
42-7198-00
1 Coin Entry ($.25) W/
MEI AE2451-U3E
($1, $5) Validator
(300 Bill Capacity)



42-7196-00
2 Coin Entry ($.25 & $.25)



42-7199-00
1 Coin Entry ($.25) Validator Cutout
with Blanking Plate for use with
MEI (300 & 500 Bill Capacity)

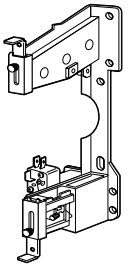


REAR ENTRY MECH HOLDER SYSTEM

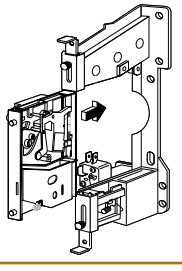
All Happ Coin Doors feature our exclusive mech holder design:

- "Universal" Patented one-piece mech holder, fits ***all*** known 3" x 5" mechanical and electronic acceptors on the market.
- No removable locking bar to get lost
- Durable nylon plastic

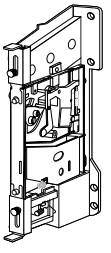
Loosen thumbscrews and lift metal clips



Insert/Remove coin mechanism as shown



Slide metal clip down and tighten 2 thumbscrews



DO YOU WANT TO KNOW EACH TIME YOUR ORDER SHIPS OUT?

E-mail notification and order **tracking information** is now available from **HAPP**! Contact your sales representative or e-mail our customer service department at: ***info@happ.com*** with your account information.

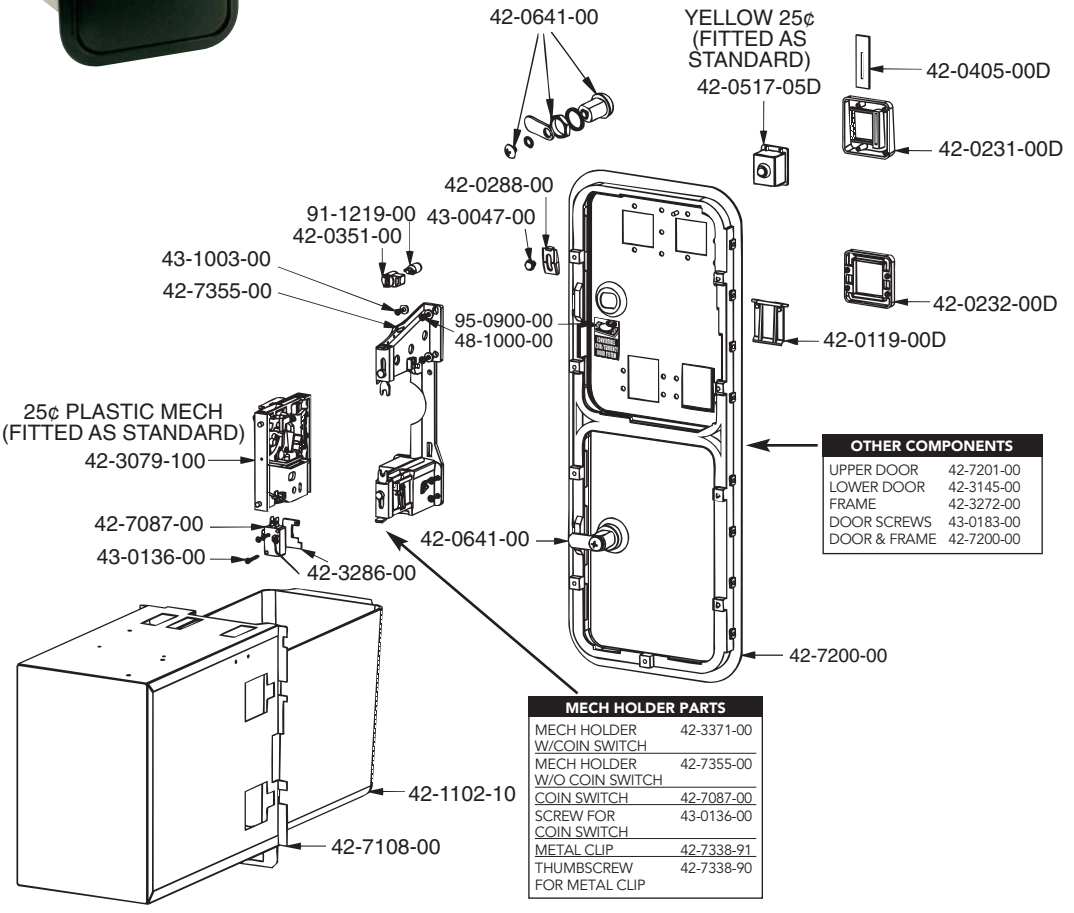
OVER/UNDER DOOR

- **New, thicker 16 gauge steel for improved security**
- Convertible Coin/Currency Door System compatible - See page 77
- Sturdy one-piece frame of die cast aluminum
- Security ribs to prevent pry bar entry are cast into frame
- "Universal" Patented one-piece mech. holder design. Will fit **all** known 3" x 5" mechanical and electronic acceptors on the market. See page 77 for illustration
- Exclusive reject button design with unbreakable metal plunger
- Fitted with full metal cash box enclosure
- Mounting hardware included
- Industry standard mounting dimensions
- AMOA standard locks
- Estimated cashbox capacity: $1,350 in U.S. Quarters
- 14V lamp standard
- Fitted with $.25 US mech

Optional Equipment:

- Coin meter 4.5 VDC or 12 VDC
- Custom wire harness
- Foreign and token coin mechs
- Replacement Upper Door assembly for Happ Door 40-0055-03

Part Number		Price per ea.	L/100
40-0038-00	Over/Under Door with Cashbox and Full Metal Enclosure	131.10	120.60



OTHER COMPONENTS	
UPPER DOOR	42-7201-00
LOWER DOOR	42-3145-00
FRAME	42-3272-00
DOOR SCREWS	43-0183-00
DOOR & FRAME	42-7200-00

MECH HOLDER PARTS	
MECH HOLDER W/COIN SWITCH	42-3371-00
MECH HOLDER W/O COIN SWITCH	42-7355-00
COIN SWITCH	42-7087-00
SCREW FOR COIN SWITCH	43-0136-00
METAL CLIP	42-7338-91
THUMBSCREW FOR METAL CLIP	42-7338-90

See page 116 for Denomination Insert Selection

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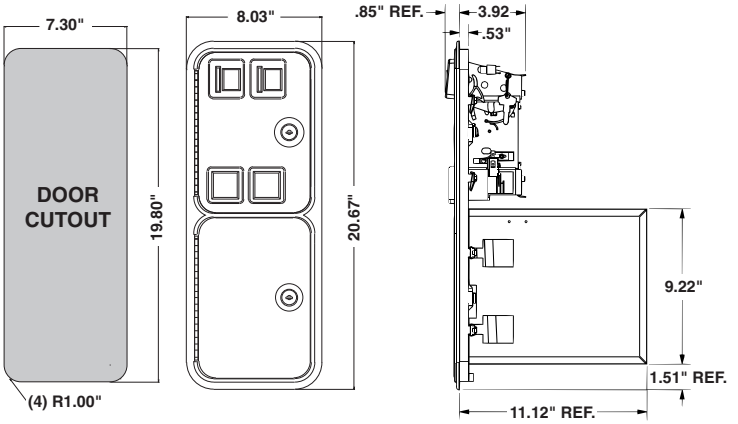
"Guardian" Security Hasp available for Over/Under Doors
See page 316

GUARDIAN

MOUNTING DIMENSIONS



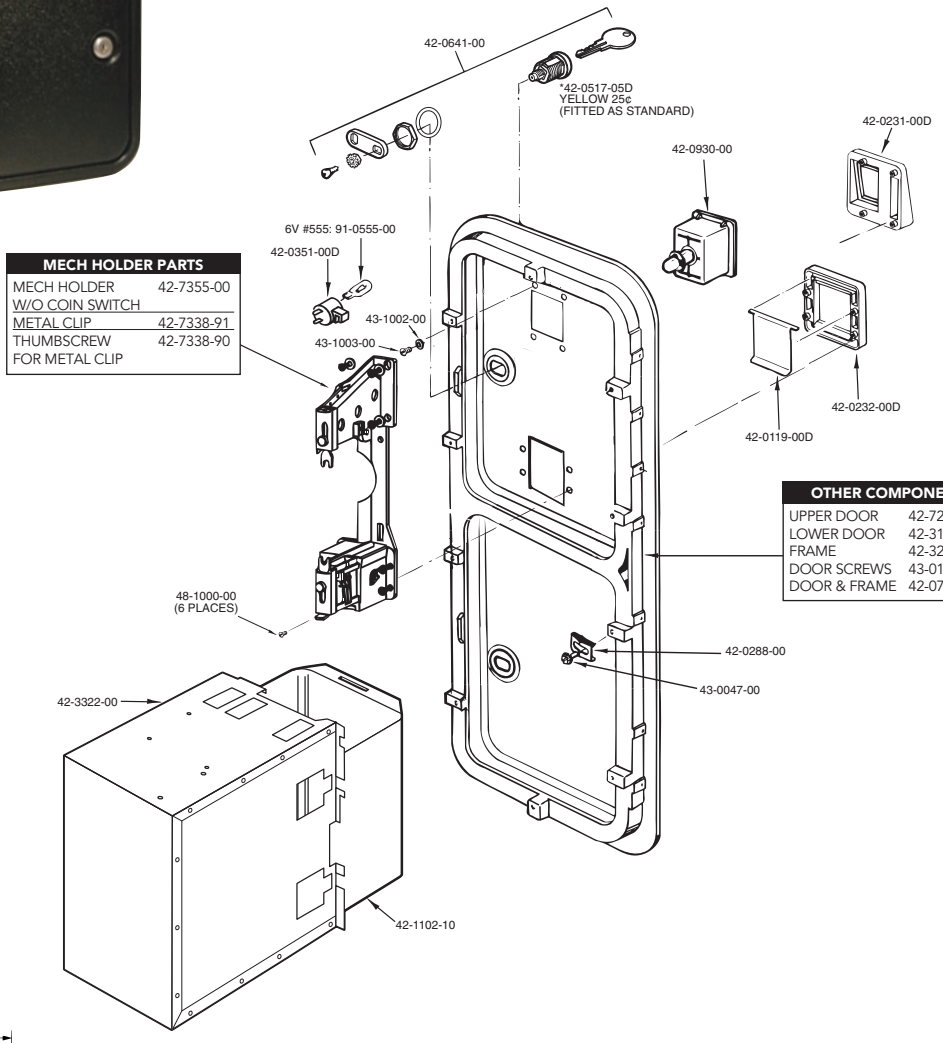
OVER/UNDER DOOR-SINGLE ENTRY

- **New, thicker 16 gauge steel for improved security**
- Ideal coin door for electronic mech applications
- Sturdy one-piece frame of die cast aluminum
- Security ribs to prevent pry bar entry are cast into frame
- "Universal" Patented one-piece mech. holder design. Will fit **all** known 3" x 5" mechanical and electronic acceptors on the market. See page 77 for illustration
- Exclusive reject button design with unbreakable metal plunger
- Heavy duty 16 gauge drawn steel doors
- Fitted with full metal cash box enclosure
- Mounting hardware included
- Industry standard mounting dimensions
- AMOA standard locks
- Estimated cashbox capacity: $1,350 in U.S. Quarters

Optional Equipment:

- Coin meter, 4.5 VDC or 12 VDC
- Custom wire harness
- Foreign and token coin mechs

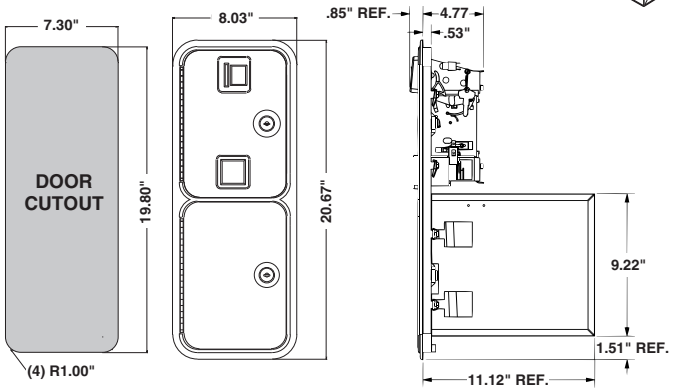
Part Number		Price per ea.	L/100
40-0512-00	Over/Under Door Single Entry Universal Logo with Cashbox and Full Metal Enclosure w/o Mech	81.20	75.40
42-3079-100	Happ $.25 Ultimech	15.60	_



MECH HOLDER PARTS	
MECH HOLDER W/O COIN SWITCH	42-7355-00
METAL CLIP	42-7338-91
THUMBSCREW FOR METAL CLIP	42-7338-90

OTHER COMPONENTS	
UPPER DOOR	42-7233-00
LOWER DOOR	42-3145-00
FRAME	42-3272-00
DOOR SCREWS	43-0183-00
DOOR & FRAME	42-0724-00

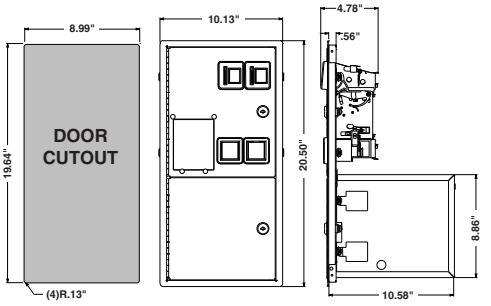
MOUNTING DIMENSIONS



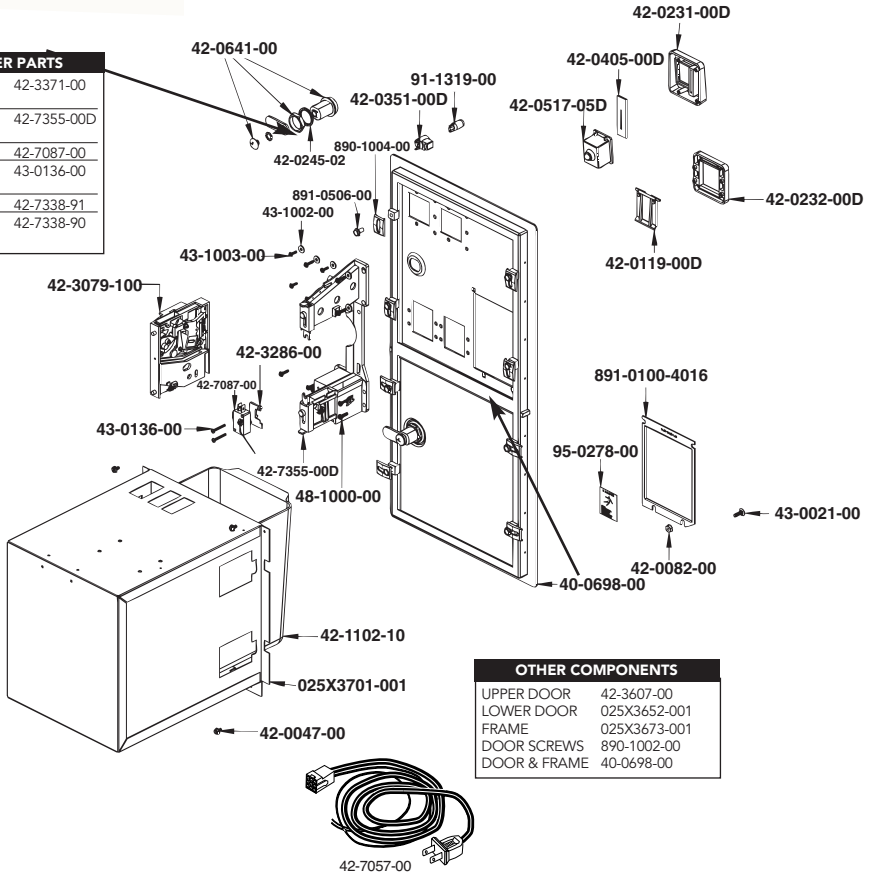
OVER/UNDER UPSTACKER MID-WIDTH VALIDATOR DOOR

- New innovative design allows the use of 2 coin entries plus bill validator acceptance
- This innovative design allows the use of the new $1 coin. Accepts money in **three** different ways with a simple coin mech change ; 25¢ coin, $1 coin and dollar bills
- Accepts either MEI (Series 2000), or Dixie Narco Upstacking Bill Validators
- Heavy Duty 14 Gauge steel door
- New innovative mech. holder design prevents "stringing" and holds mech. firmly in place for maximum coin acceptance
- Sold with or without bill validator installed
- Exclusive reject button design with unbreakable metal plunger
- Sturdy one-piece steel frame with door clips for installation into cabinet
- Fitted with full metal cashbox enclosure
- Includes meter mounting provision inside of cashbox enclosure
- Cashbox will hold an estimated $1,350 in US Quarters
- MEI & Ardac Validator Harness with AC plug included
- Security ribs in frame prevent pry bar entry
- Mounting hardware included
- Fitted with $.25 US mech

MOUNTING DIMENSIONS



MECH HOLDER PARTS	
MECH HOLDER W/COIN SWITCH	42-3371-00
MECH HOLDER W/O COIN SWITCH	42-7355-00D
COIN SWITCH	42-7087-00
SCREW FOR COIN SWITCH	43-0136-00
METAL CLIP	42-7338-91
THUMBSCREW FOR METAL CLIP	42-7338-90



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Custom "Guardian" Security Hasp available to protect your dollars, See page 315

GUARDIAN

OTHER COMPONENTS	
UPPER DOOR	42-3607-00
LOWER DOOR	025X3652-001
FRAME	025X3673-001
DOOR SCREWS	890-1002-00
DOOR & FRAME	40-0698-00

Part Number	Door Assembly Description	Accepts	Capacity	Price per ea.
Mid-Width Door Without Bill Validator				
40-3000-00	Without Validator Installed	-	-	110.30
With MEI Series 2000 Upstacker Bill Validator				
40-3300-00	With MEI AE2451-U3E Validator	$1 $2 & $5	300 Bills	588.90
40-3500-00	With MEI AE2451-U5E Validator	$1 $2 & $5	500 Bills	602.45
40-3700-00	With MEI AE2451-U7E Validator	$1 $2 & $5	700 Bills	658.40
40-4300-00	With MEI AE2651-U3E Validator	$1, $5, $10 & $20	300 Bills	725.40
40-4500-00	With MEI AE2651-U5E Validator	$1, $5, $10 & $20	500 Bills	761.65
40-4700-00	With MEI AE2651-U7E Validator	$1, $5, $10 & $20	700 Bills	766.90

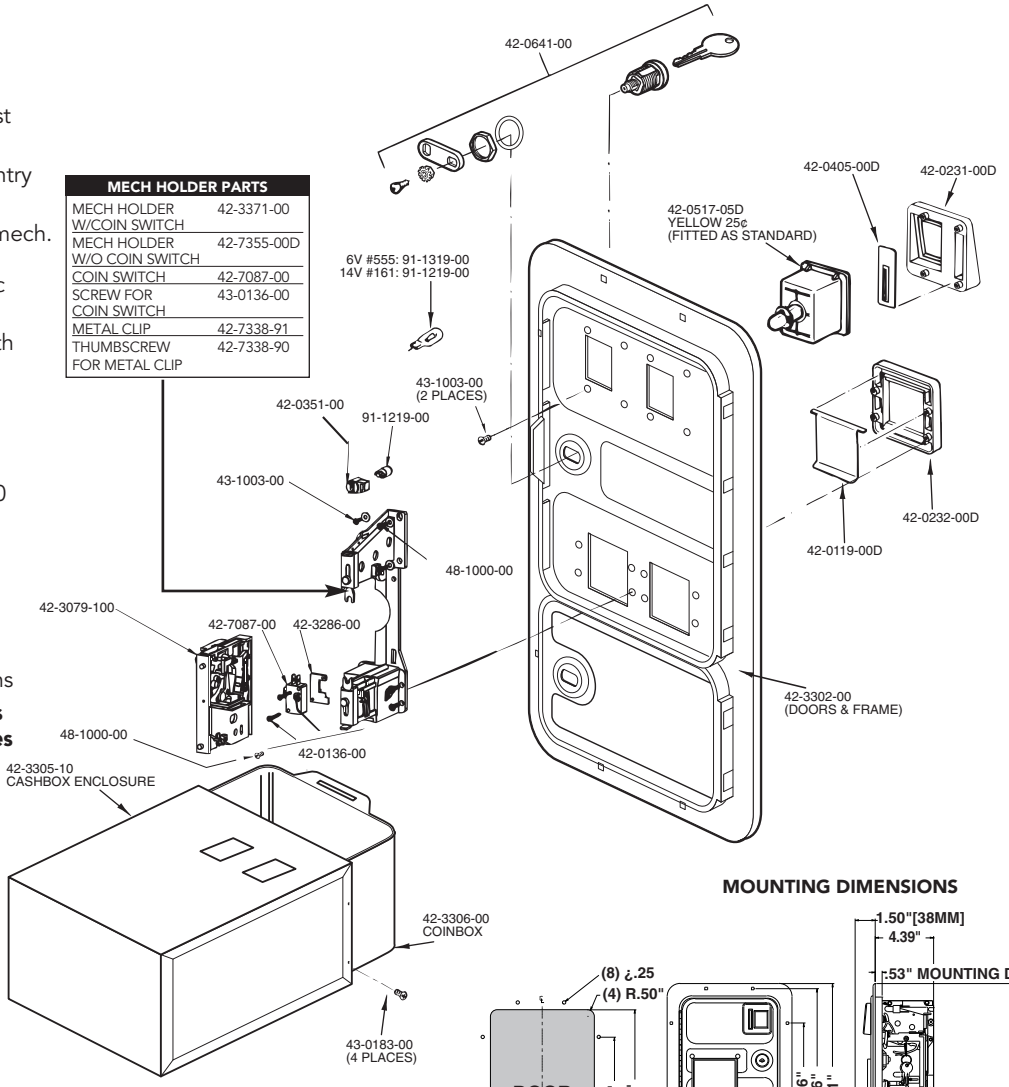
OVER/UNDER MINI DOOR SYSTEM

A
40-0513-00

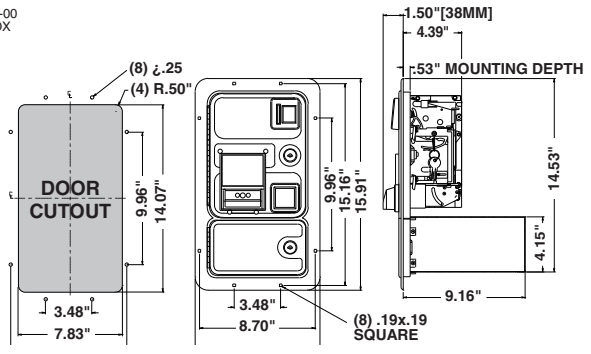
B
40-0514-00

- Ideal coin door where space is a premium
- Sturdy one-piece frame of die cast aluminum
- Security ribs to prevent pry bar entry are cast into frame
- "Universal" patented one-piece mech. holder design. Will fit all known 3" x 5" mechanical and electronic acceptors on the market
- Exclusive reject button design with unbreakable metal plunger
- Fitted with full metal cashbox enclosure
- AMOA standard locks
- Estimated cashbox capacity: $400 in U.S. Quarters
- Bill validator version fitted with Ardac DBA7 validator to accept $1, $5, $10, and $20 bills with a stacker capacity of 250 bills
- Single entry ideal for use for Electronic Coin Mech. applications
- **Note: Upper door of 40-0519-00 is not tall enough to utilize MEI Series 2000 Upstacker Bill Validator**
- Fitted with $.25 US mech

MECH HOLDER PARTS	
MECH HOLDER W/COIN SWITCH	42-3371-00
MECH HOLDER W/O COIN SWITCH	42-7355-00D
COIN SWITCH	42-7087-00
SCREW FOR COIN SWITCH	43-0136-00
METAL CLIP	42-7338-91
THUMBSCREW FOR METAL CLIP	42-7338-90



MOUNTING DIMENSIONS



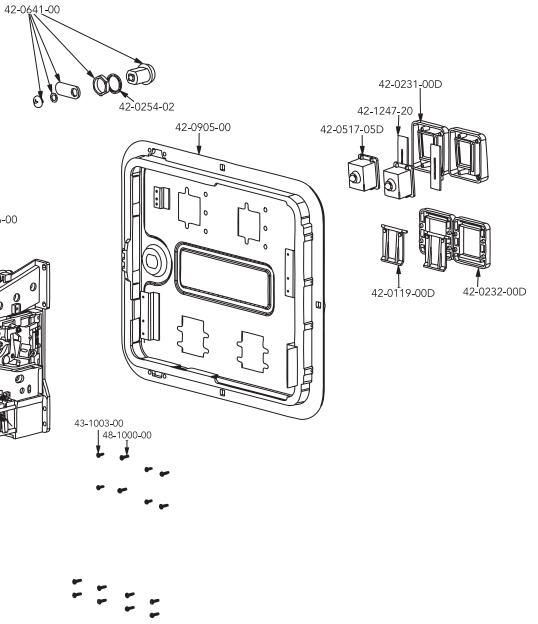
Part Number		Ref.	Price per ea.	L/100
40-0513-00	Over/Under Mini Door, 2-Entry	A	100.60	93.85
40-0514-00	Over/Under Mini Door, 1-Entry	B	76.70	73.50

PINBALL DOOR

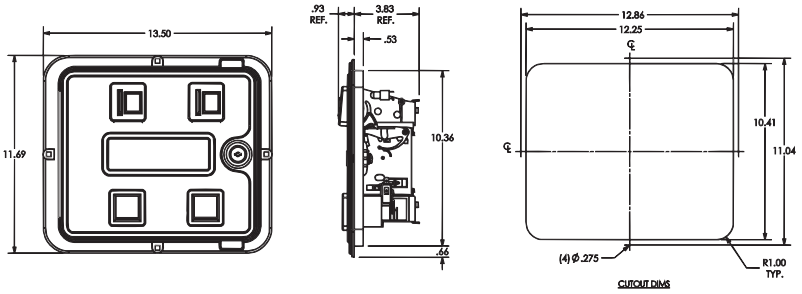
- Replacement part for all Data East / Sega and Williams pinballs
- "Universal" Patented one-piece mech. holder design. Will fit all known 3" x 5" mechanical and electronic acceptors on the market. See page 77 for illustration
- Heavy 16 gauge steel door
- Sturdy die cast aluminum frame
- Available 2 or 3 entry
- Available with U.S., token or foreign mechs
- See page 90 for cashbox assemblies
- Fitted with $.25 US mech

Part Number		Price per ea.	L/6
40-0707-00	Pinball Door, Double Entry	64.50	61.50

MECH HOLDER PARTS	
MECH HOLDER W/COIN SWITCH	42-8156-00
MECH HOLDER W/O COIN SWITCH	42-7355-00D
COIN SWITCH	42-7087-00
SCREW FOR COIN SWITCH	43-0136-00
METAL CLIP	42-7338-91
THUMBSCREW FOR METAL CLIP	42-7338-90



MOUNTING DIMENSIONS



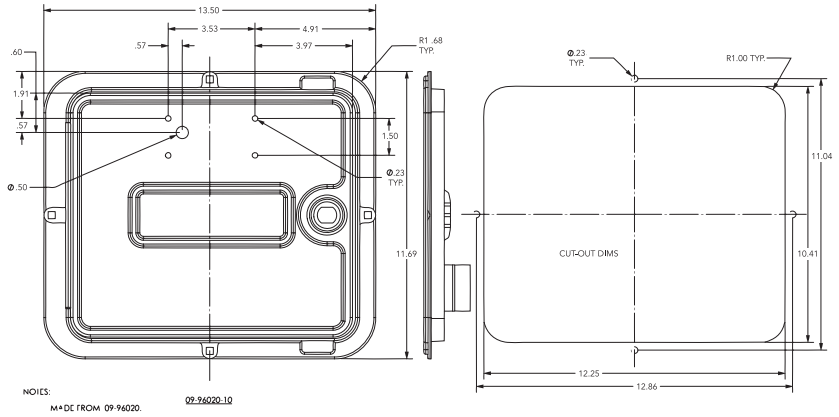
PINBALL BLANK DOOR

- Heavy 16 gauge steel door
- Ideal for cash box access door or simply an access door
- Replacement part for all Williams/Midway video game cabinets that utilize the 2 door system
- May be used as cashbox access door in conjunction with plastic cashbox.

See page 89

Part Number		Price per ea.	L/6
09-96020	Pinball Blank Door	31.65	29.30

MOUNTING DIMENSIONS



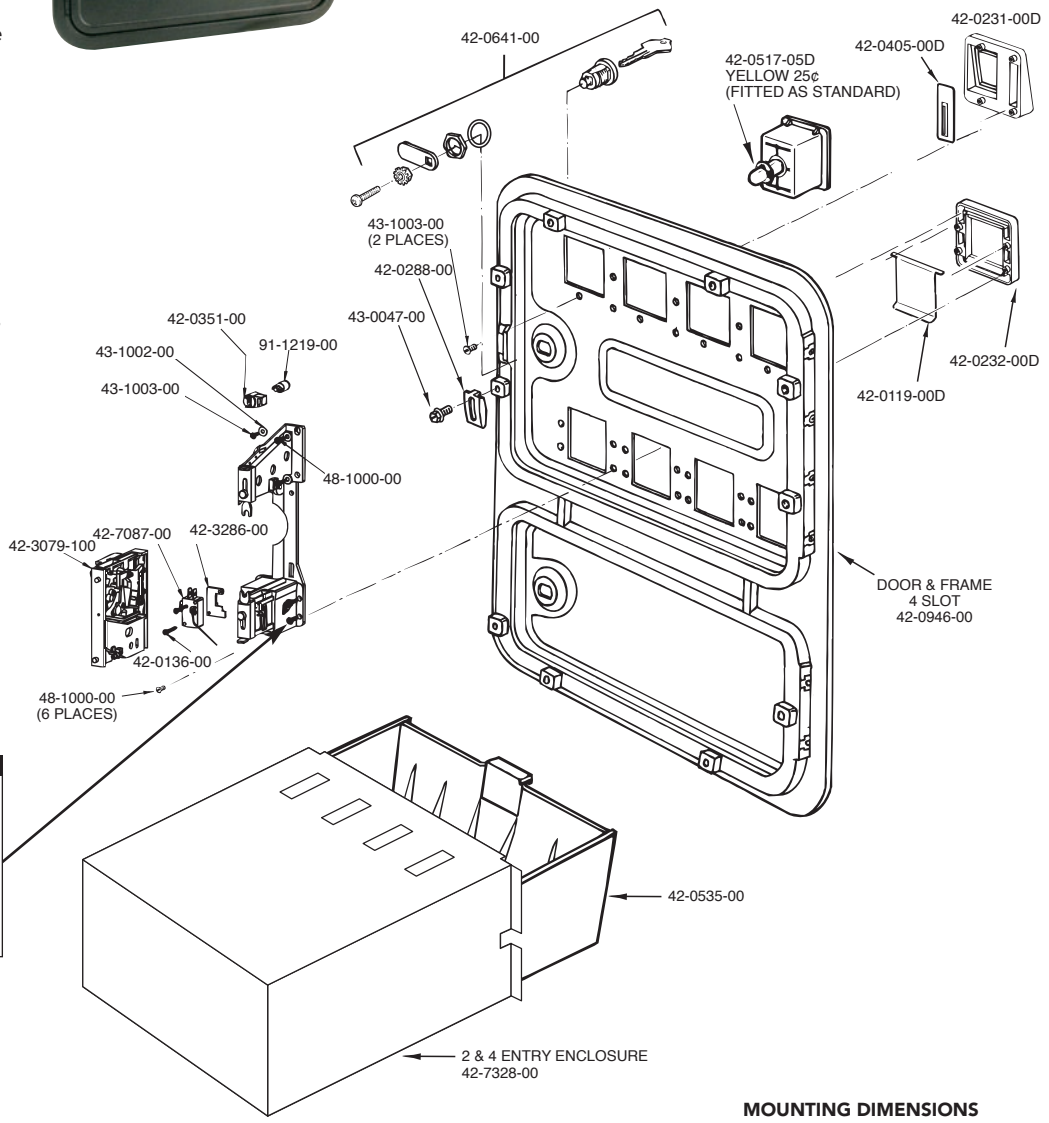
MULTI-PLAYER OVER/UNDER DOOR

- Two doors provide improved security, lower door provides access to cashbox
- "Universal" Patented one-piece mech. holder design. Will fit **all** known 3" x 5" mechanical and electronic acceptors on the market. See page 77 for illustration
- Sturdy 1 piece die cast aluminum frame
- 2, 3 or 4 coin entry doors available
- Security ribs to prevent pry bar entry are cast into frame
- Heavy duty 16 gauge drawn steel doors
- Exclusive reject button design with unbreakable metal plunger
- Fitted with $.25 mechs and 14V lamps as standard
- Estimated cashbox capacity over $2,000 in U.S. Quarters

* Reject Push Button sold as assembly only

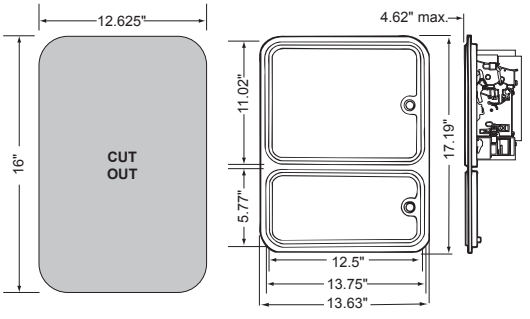
See page 116 for Denomination Insert Selection

Part Number		Price per ea.	L/6
40-0946-00	4-Entry Multi-Player Over/Under Door w/o Cashbox	127.90	122.70
40-0946-20	2-Entry Multi-Player Over/Under Door w/o Cashbox	102.15	96.95
42-7328-00	2&4 Entry Enclosure For Multiplayer Over/Under Door	58.25	50.45



MECH HOLDER PARTS	
MECH HOLDER W/COIN SWITCH	42-3371-00
MECH HOLDER W/O COIN SWITCH	42-7355-00D
COIN SWITCH	42-7087-00
SCREW FOR COIN SWITCH	43-0136-00
METAL CLIP	42-7338-91
THUMBSCREW FOR METAL CLIP	42-7338-90

MOUNTING DIMENSIONS

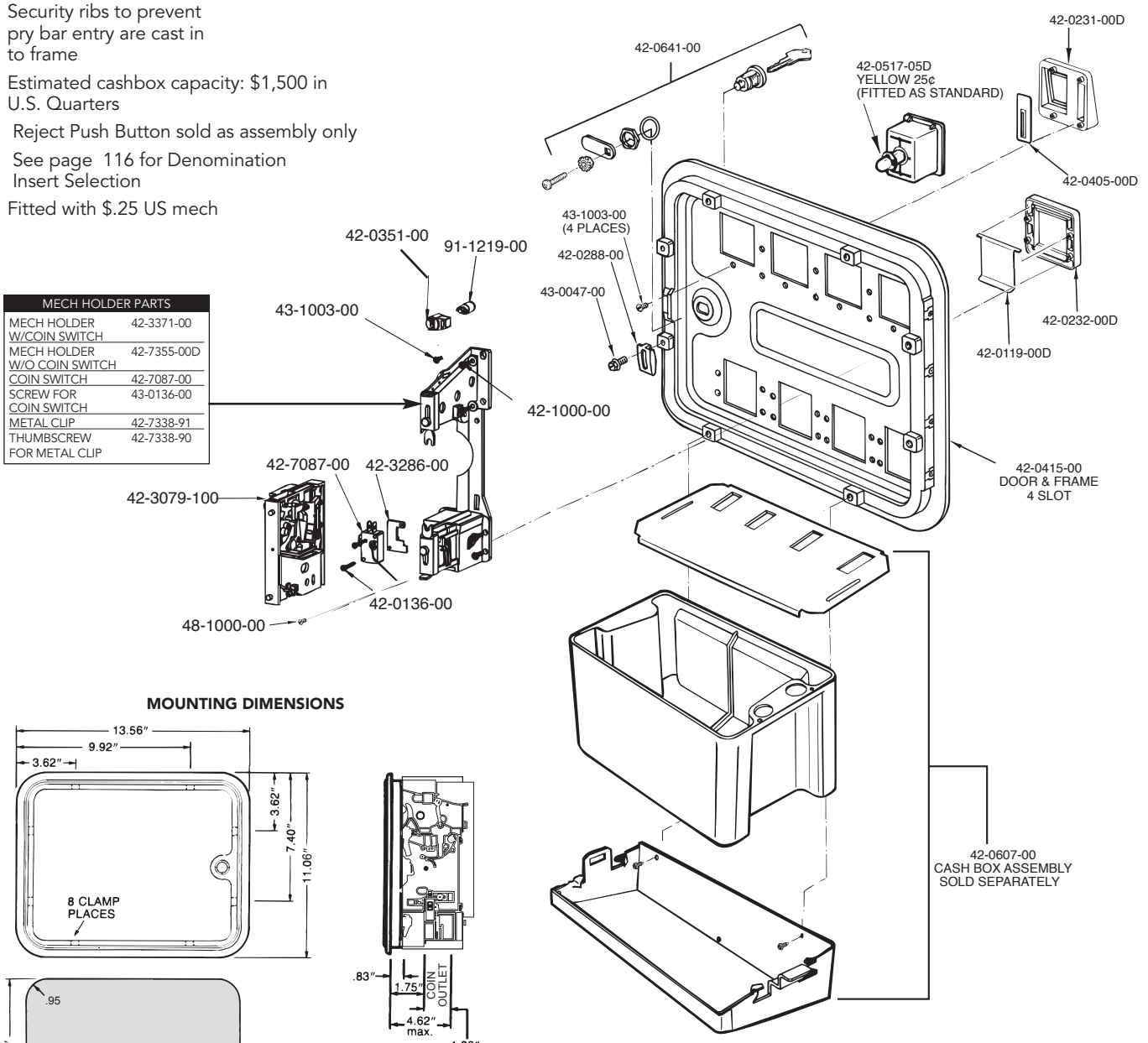


MULTI-PLAYER DOOR

- Industry standard mounting dimensions
- "Universal" Patented one-piece mech. holder design. Will fit **all** known 3" x 5" mechanical and electronic acceptors on the market. See page 77 for illustration
- Sturdy 1 piece die cast aluminum frame
- 2, 3 or 4 coin entry doors available
- With new Cashbox System IV, see page 90 for details
- Security ribs to prevent pry bar entry are cast in to frame
- Estimated cashbox capacity: $1,500 in U.S. Quarters
- Reject Push Button sold as assembly only

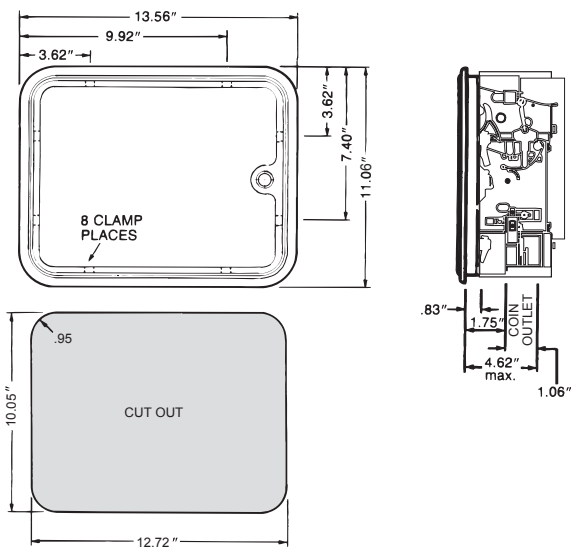
  See page 116 for Denomination Insert Selection
- Fitted with $.25 US mech

Part Number		Price per ea.	L/100
40-0008-00	Standard Door, Double Entry w/o Harness, Meter or Box Assembly	100.85	96.65
40-0325-00	Standard Door, Four Entry w/o Harness, Meter or Box Assembly	127.90	122.70
42-0605-00	Cashbox Assembly, Double Entry	34.25	30.85
42-0607-00	Cashbox Assembly, Four Entry	34.25	30.85



MECH HOLDER PARTS	
MECH HOLDER W/COIN SWITCH	42-3371-00
MECH HOLDER W/O COIN SWITCH	42-7355-00D
COIN SWITCH	42-7087-00
SCREW FOR COIN SWITCH	43-0136-00
METAL CLIP	42-7338-91
THUMBSCREW FOR METAL CLIP	42-7338-90

MOUNTING DIMENSIONS

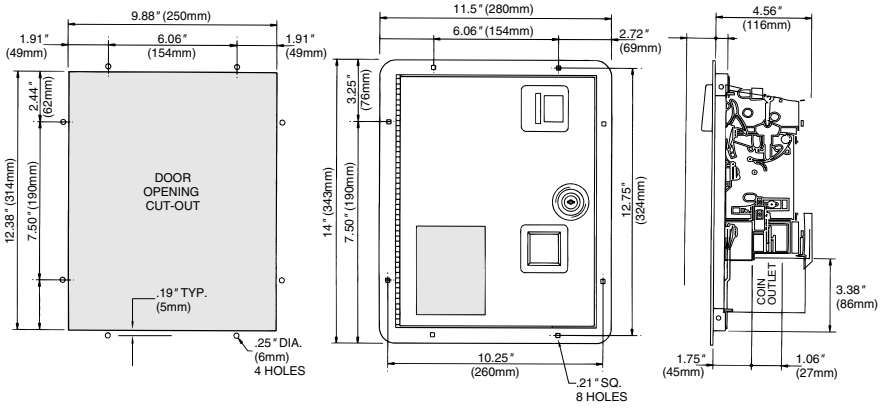


DOORS FOR BILL VALIDATORS – DOORS FOR MEI & ROWE VALIDATORS WITH STACKER COIN ACCEPTANCE

Upstacker Type
42-0161-00

- Allows use of validators with stackers
- "Universal" Patented one-piece mech. holder design. Will fit **all** known 3" x 5" mechanical and electronic acceptors on the market.
  See page 77 for illustration
- Supplied with 25¢ coin mech but without validator
- For MEI VFM-(2 & 4), AL4, GL5, Series 2000, and LE Rowe UBA, and Dixie Narco U.S.A validators with upstackers, use 42-0161-00

MOUNTING DIMENSIONS

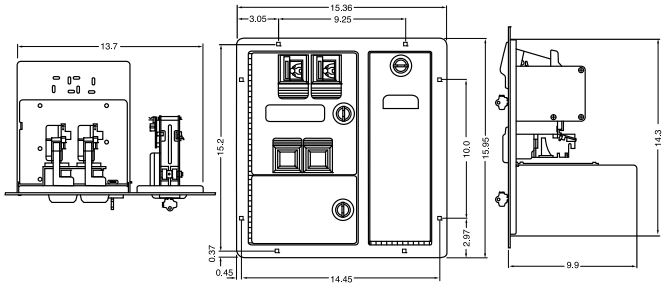


Part Number		Price per ea.
42-0161-00	For Upstackers	94.50

ENTROPY TRIPLE DOOR

- Combines separate doors for coin acceptors, cashbox, and ticket dispenser all on one frame
- Fitted with $.25 mechs. and 14v lamps as standard
- Hot rolled steel frame 1.8mm thick
- Cold rolled steel doors 1.6mm thick
- Double bitted locks
- 3-Point locking mechanism on the cashbox door for increased security
- Large cashbox capacity holds $650 in U.S. quarters
- Extra large ticket shroud on ticket door to prevent ticket jams
- Durable zinc diecast reject bezels
- Ticket door bracket that allows ticket door to stop at a 90° angle for easy service
- Ticket dispenser sold separately

MOUNTING DIMENSIONS

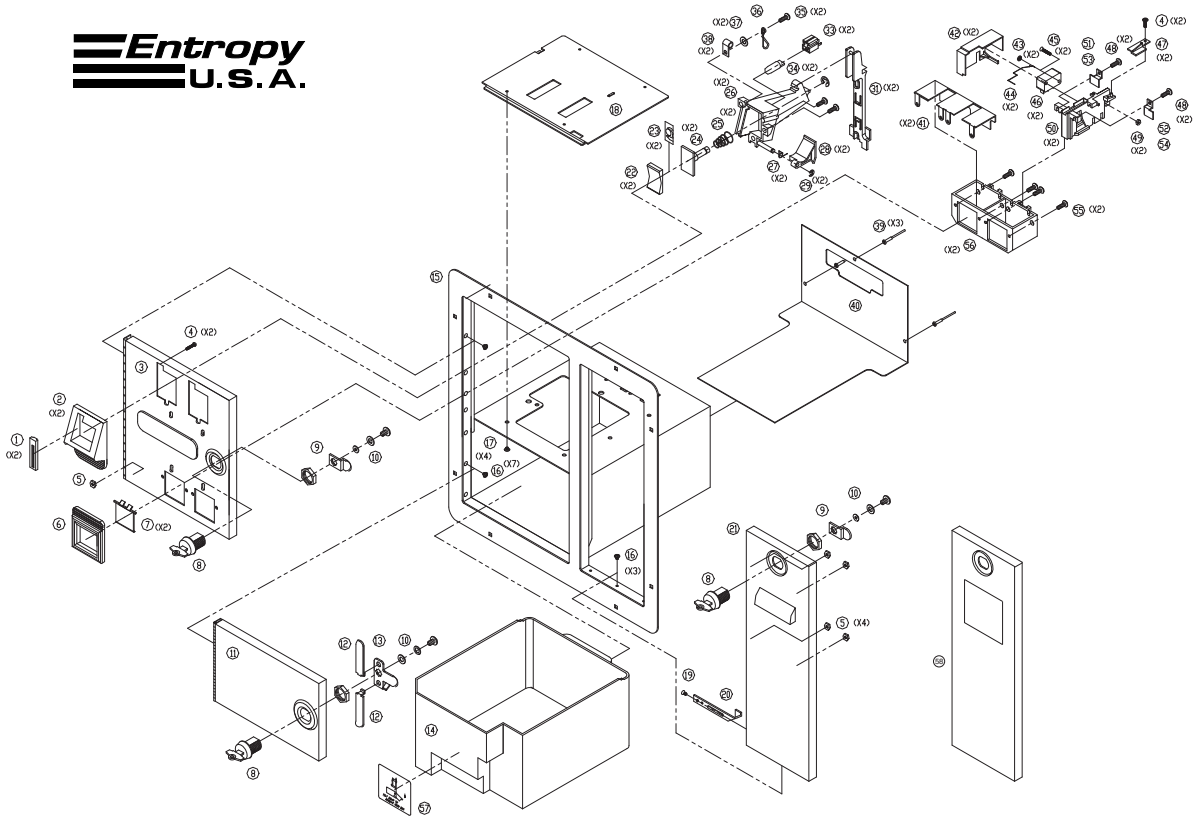


Part Number		Price per ea.	L/6
40-0406-25	Entropy Triple Door	160.25	153.85

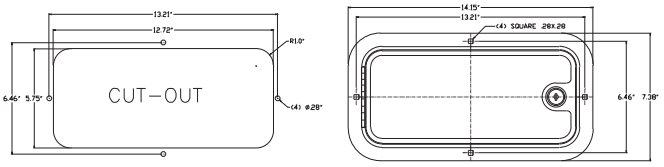
REPLACEMENT PARTS FOR ENTROPY TRIPLE DOOR

Fig No.	Part Number	Entropy Number	Description	Price per ea.
1	42-0406-90	310-1025-18	Entry Plate	2.75
2	42-0406-91	310-1017	Button Housing	4.85
3	42-0406-109	310-1008	Main Door	20.70
4	_	27-1079	#6 x 1/4" Tapping Screw	_
5	_	27-4912	#8-32 Nut w/washer	_
6	42-0406-92	27-1061-3	Return Bezel	–
7	42-0406-93	27-1062	Return Flap	1.45
8	_	27-1016	Single Lock	_
9	_	31-1016	Locking Cam	_
10	_	27-1020	Washer for Cam	_
11	_	310-1006	Cash Door	_
12	42-0406-94	310-1014	Locking Arm	2.50
13	42-0406-95	310-1013	Locking Cam	3.95
14	42-0406-111	310-1005	Coin Box	15.00
15	_	310-1001	Frame & Enclosure	_
16	_	106-6022-00	Screw M3x0.5+4c	_
17	_	106-6005-00	Screw M3x0.5+4c	_
18	_	310-1002	Enclosure cover plate	_
19	_	106-6021-00	Screw M3x0.5x6	_
20	_	310-1027	Stop Bracket	_
21	42-0406-110	31-9T	TD Door	18.55
22	42-0406-96	310-1019	Button Cover	1.70
23	_	27-1041-64	Price Label	_
24	42-0406-97	310-1018	Button	3.95
25	42-0406-98	27-1039	Conical Spring	1.45
26	42-0406-99	310-1028	Inlet Chute	7.25
27	42-0406-106	310-1022	Retain Spring	1.20
28	42-0406-100	310-1023	Lever Arm	2.50
29	_	106-6003	4mm E-Ring	_
30	_	106-6024-00	Screw M3 x 12	_
31	42-0406-101	27-5703	Retainer	2.50
32	42-0406-102	106-6023-00	7mm E-Ring	1.20
33	42-0406-103	310-1024	Lamp Holder	2.50
34	_	213-01205	Lamp	_
35	_	106-6025-00	Screw M3 x 14	_
36	_	27-1025	Key Hook	_
37	_	27-1034	#6 Washer	_
38	_	03-7655-4	Wire Harness Clamp 1/4"	_
39	_	106-6026-00	Rivet	_
40	_	310-1011	Coin Box Cover	_
41	_	27-4907-2	Return Box Cover	_
42	_	27-1097	Switch Cover	_
43	_	27-1035	Washer for Wire Form	_
44	42-0406-104	27-1075	Wire Form	1.70
45	_	27-1094	Screw #4-40 x 7/8	_
46	_	27-1092	Micro Switch	_
47	42-0406-108	27-7301	Stop Blade	1.70
48	_	27-1087	Screw #6-32 x 5/8	_
49	_	27-1095	Nut 4-40	_
50	42-0406-107	27-5704	Acceptor Chute	6.65
51	_	27-1030	Small Bracket - Right	_
52	_	27-1031	Small Bracket - Left	_
53	_	27-1030	Small Bracket - Right	_
54	_	27-1031	Small Bracket - Left	_
55	_	27-11001	Screw & Spring Washer	_
56	_	27-4906-1	Return Box	_
57	_	310-1031	Coin Box Label	_
58	42-3536-00	310-1009	TD w/Downstacker Cutout	25.85

REPLACEMENT PARTS FOR ENTROPY TRIPLE DOOR 40-0406-25 - CONT.



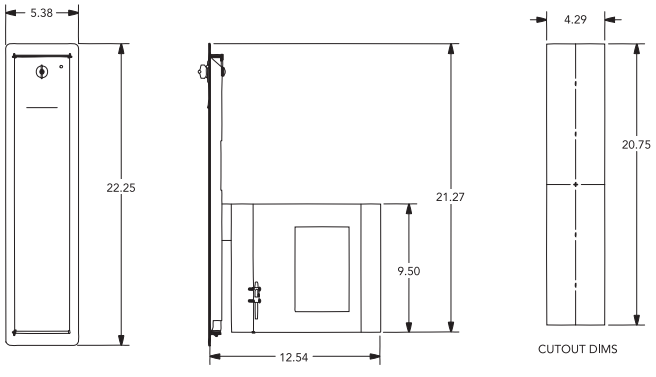
RECTANGLE BLANK DOOR



Part Number		Price per ea.	L/10
40-0520-00	Rectangle Blank Door	45.35	38.90

SLIM TICKET DOOR

- Compact design to fit in small mounting area
- Comes with ticket bin to hold 4,000 tickets
- Overall dimensions: 5.75" wide x 22.25" high
- Cutout dimensions: 4.375" wide x 21" high
- Each ticket door includes one ticket dispenser label (42-1378-00)

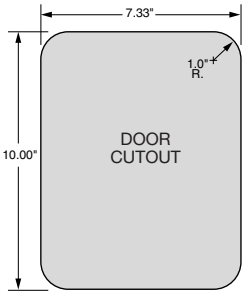


Part Number		Price per ea.	L/6
40-0390-00	Slim Ticket Door w/4,000 Ticket Bin	78.75	70.35

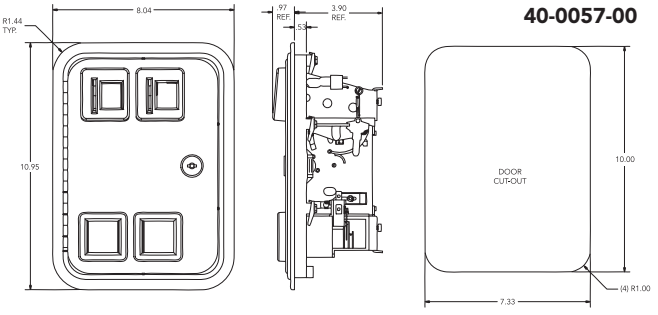
SMALL SINGLE COIN DOORS

- Sturdy one piece die cast metal frame
- "Universal" Patented one-piece mech. holder design. Will fit **all** known 3" x 5" mechanical and electronic acceptors on the market. See page 77 for illustration
- Heavy duty 16 gauge drawn steel door
- Industry standard mounting dimensions
- Mounting hardware included
- Foreign and token coin mechs available
- Fitted with 25¢ mech and 14V bulbs as standard

40-0055-00



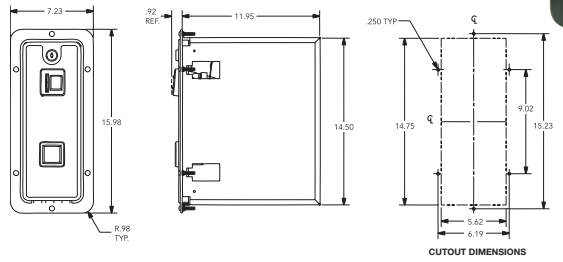
40-0057-00



Part Number		Price per ea.	L/10
40-0055-00	Small Single Door - 2 Entry	66.20	63.00
40-0057-00	Small Single Door - Blank	23.10	21.00

SMALL SINGLE ENTRY COIN DOOR

- Ideal where space is limited
- Sturdy one-piece frame of die cast aluminum
- "Universal" Patented one-piece mech. holder design. Will fit **all** known 3" x 5" mechanical and electronic acceptors on the market. See page 77 for illustration
- Exclusive reject button design with unbreakable metal plunger



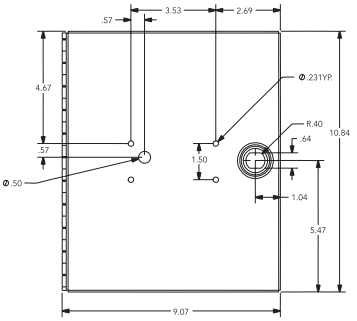
Part Number		Price per ea.
40-0484-00	Small Single Entry Coin Door with Full Metal Enclosure	103.40

COIN DOORS FOR EMBED CARD READER SYSTEM

- Using Embed card readers at your locations and need to replace the coin doors?
- All doors have the cut-out pattern for the Embed card reader so simply remove the old door and install the new one
- 5 door types available
- Doors are made from 16 gauge drawn steel

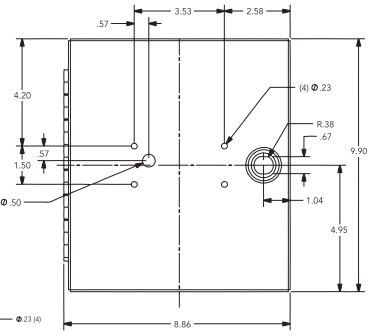
MID-WIDTH (A) DOOR STYLE

NEW



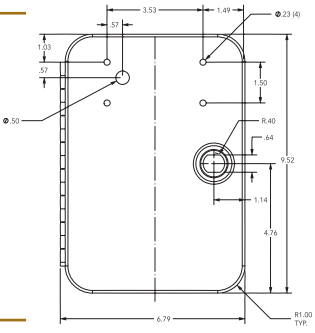
MID-WIDTH (B) DOOR STYLE

NEW



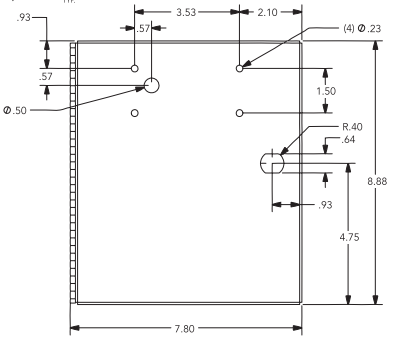
OVER/UNDER DOOR STYLE

NEW



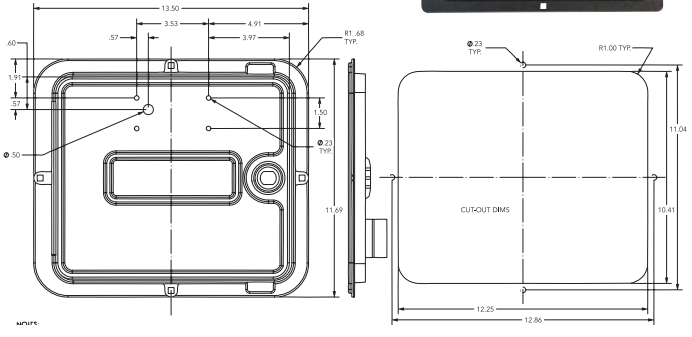
ENTROPY TRIPLE DOOR WITH EMBED CARD READER CUTOUT

NEW



PINBALL DOOR STYLE

NEW



Part Number		Price per ea.
42-8006-12	Happ Upper Door Only for O/U Mid-Width with Embed Card Reader Cutout	27.80
42-3607-91	Happ Upper Blank Door for Mid-Width with Embed Card Reader Cutout	41.15
42-3145-03	Happ Small Blank Door No Emboss with Embed Card Reader Cutout	13.95
42-8194-03	Entropy Triple Door with Embed Card Reader Cutout	19.95
09-96020-10	Entropy Pinball Door with Embed Card Reader Cutout	21.50

CABINET ACCESS DOORS AND CASHBOXES

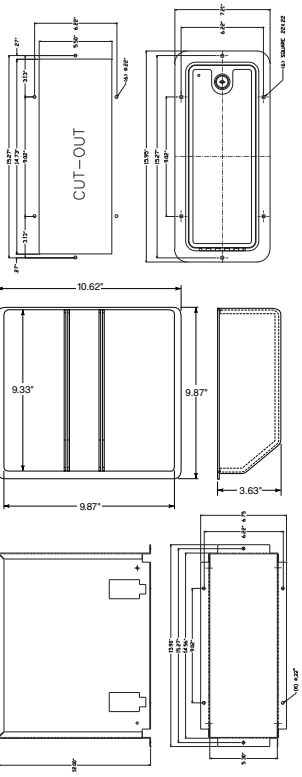
- Allow easy access to cabinet, cashbox, etc.
- Sturdy die cast aluminum frame; a Happ exclusive
- Each door includes the frame assembly and lock.

A

42-7050-00

42-0535-00
(Cash Box Only)
42-0536-00
(Cover)

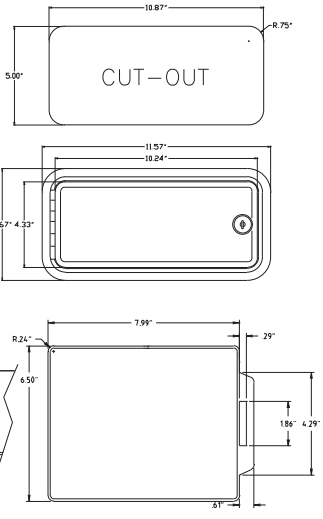
42-1311-00



B

42-1150-00

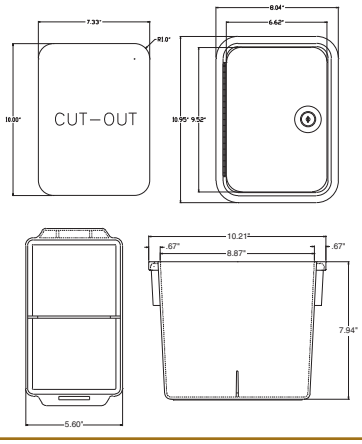
42-3306-00



C

40-0057-00

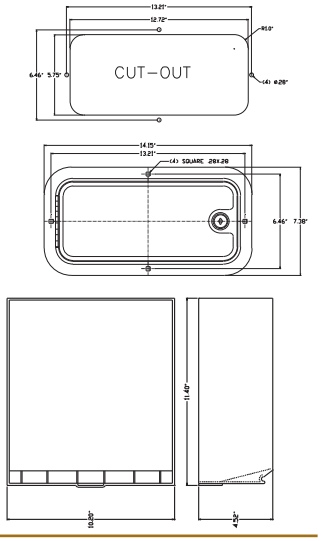
42-1102-10



D

40-0520-00

42-0769-00

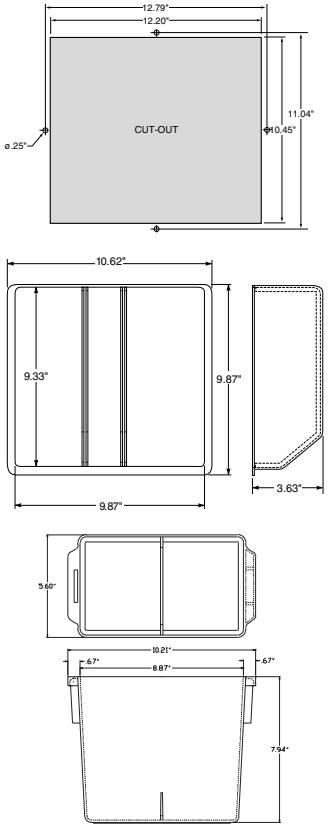


E

40-0706-00

42-0535-00
(Cash Box Only)
42-0536-00
(Cover)

42-1102-10

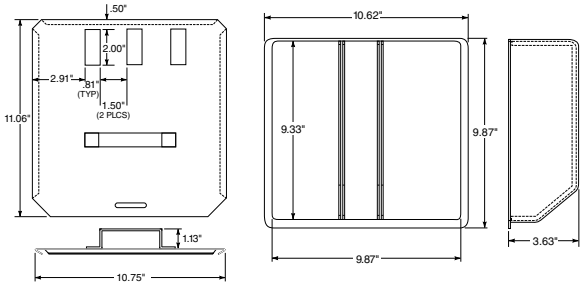


Part Number			Price per ea.
A	42-7050-00	Access Door and Frame Assembly	39.35
	42-0535-00	Plastic Cashbox Only for Door 42-7050-00	9.85
	42-0536-00	Cashbox Cover Only	20.75
	42-1311-00	Metal Validator Vault for Door 42-7050-00	74.95
B	42-1150-00	Mini-Access Door and Frame Assembly	24.65
	42-3306-00	Plastic Cashbox for Door 42-1150-00	3.45
C	40-0057-00	Access Door and Frame Assembly	23.10
	42-1102-10	Plastic Cashbox for Door 42-0438-00	7.15
D	40-0520-00	Access Door and Frame Assembly	45.35
	42-0769-00	Plastic Cashbox for Door 42-1102-10	13.00
E	40-0706-00	Access Door and Frame Assembly	31.65
	42-1102-10	Plastic Cashbox for Door 42-0438-00	7.15
	42-0535-00	Plastic Cashbox Only for Door 42-7050-00	9.85
	42-0536-00	Cashbox Cover Only	20.75

CASHBOX SYSTEM III PINBALL TYPE

- Fits Stern/Data East Sega and Williams pinball games
- Estimated capacity: $1,500 U.S. Quarters

MOUNTING DIMENSIONS

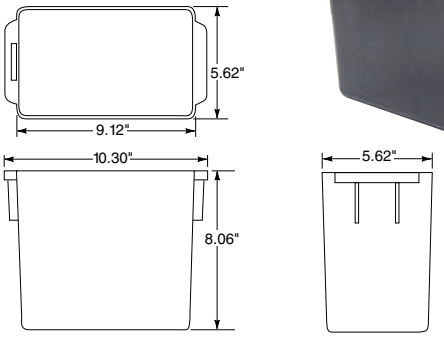


Part Number		Price per ea.	L/6
42-0536-00	Cashbox Cover, 2-3 entry	20.75	19.55
42-0535-00	Cashbox only	9.85	8.60

OVER/UNDER CASHBOX

- Estimated cashbox capacity: $1,350 U.S. Quarters

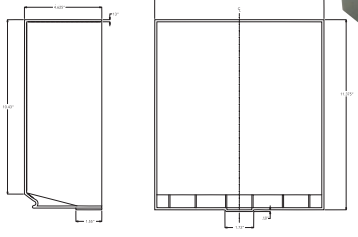
DIMENSIONS



Part Number		Price per ea.	L/6
42-1102-10	Over/Under Cashbox	7.15	6.50

PLASTIC CASHBOX

- Injection Molded ABS Plastic
- Estimated cashbox capacity: over $2,000 U.S. Quarters



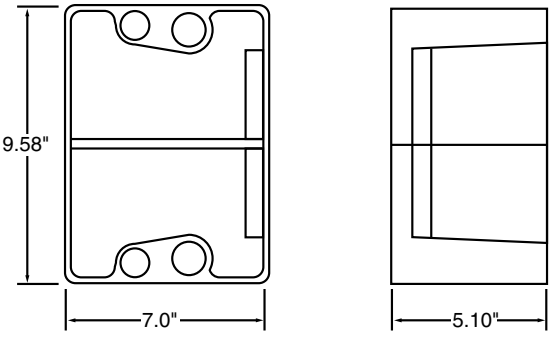
Part Number		Price per ea.	L/6
42-0769-00	Cashbox for Multi-player Over/Under Door	13.00	11.80

CASHBOX SYSTEM IV

- For multi-player type doors
- Uses easy to remove Pacman style coin box with integral handles
- Replaces all awkward and difficult to remove OEM style coin box assemblies on 2, 3 & 4 player games with 8-clamp door
- Easy to install – suspends from the doors two lower mounting bosses
- Estimated capacity: $1,500 U.S. Quarters

COVERS	BOX	HOLDER
2 SLOT 42-0601-00 3 SLOT 42-0600-00 4 SLOT 42-0599-00	42-0075-00	42-0598-00

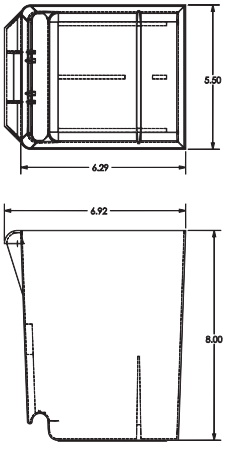
DIMENSIONS



Part Number		Price per ea.	L/6
42-0605-00	Type IV 2-slot Cashbox Assembly (Holder, box & cover)	34.25	30.85
42-0607-00	Type IV 4-slot Cashbox Assembly (Holder, box & cover)	34.25	30.85
42-0075-00	Cashbox Type 1	5.85	5.20

OVER/UNDER CASHBOX REDUCED DEPTH

- Estimated cashbox capacity: $900 US Quarters

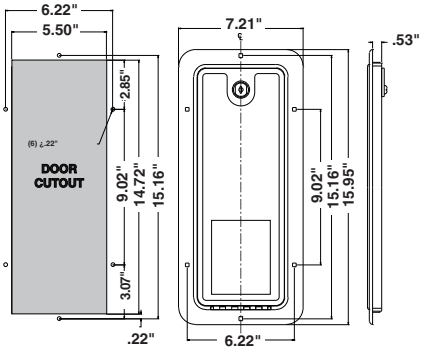


Part Number		Price per ea.	L/6
025X3731-001	Over/Under Cashbox	18.25	15.90

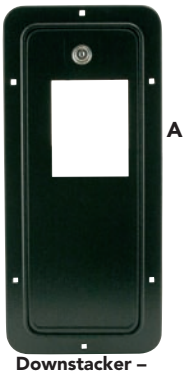
DOORS FOR BILL VALIDATORS

- Great way to increase the earnings on any piece of equipment
- Ideal for use where space is limited
- MEI (GL, VFM, AL) and Rowe require either "Right" or "Left" Hand versions, depending on which side the control box is mounted (600 Bill Capacity Stacker Max.)
- CashCode, Dixie Narco and MEI (AE & VN) require "Center" version
- For additional security, simply add Metal Vault (42-1311-00) to these doors
- Validators sold separately

MOUNTING DIMENSIONS
ALL BILL VALIDATOR STYLE DOORS



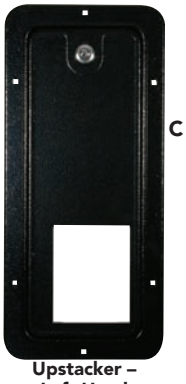
Part Number	Key	Validator Door	Price per ea.	L/6
42-1395-00	A	Downstacker, Left Hand	45.35	42.75
42-1394-00	B	Downstacker, Center	38.85	34.70
42-1392-00	C	Upstacker, Left Hand	44.40	41.90
42-1391-00	D	Upstacker, Center	44.40	41.90
42-1390-00	E	Upstacker, Right Hand	45.35	42.75


A

Downstacker – Left Hand

B

Downstacker – Center


C

Upstacker – Left Hand

D

Upstacker – Center

E

Upstacker – Right Hand

ENCLOSURE FOR BILL VALIDATORS

- Allows bill validator to be added to any piece of equipment
- Will accept all MEI stackerless and downstacker validators including LE downstacker with 600 capacity LRC (lockable removable cassette)
- Can be mounted to the left or right side of any piece of equipment
- Black epoxy powder painted

Downstacker, Left

Downstacker, Center

Part Number		Price per ea.	L/12
40-0157-00	Enclosure for Bill Validators, Downstacker Versions, Left	95.05	88.75
40-0157-01	Enclosure for Bill Validators, Upstacker Versions, Left	94.50	87.20
40-0448-01	Enclosure for Bill Validators for Downstacker CashCode and MEI AE & VN Validators, Center	95.05	88.75
40-0448-00	Enclosure for Bill Validators for Upstacker CashCode and MEI AE & VN Validators, Center	93.15	87.00

METAL VALIDATOR VAULT

- Offers additional security to doors for bill validators
- Thick gauge material prevents possibility of "reaching-in" to grab full stacker from bill validator
- Easy to install, simply bolt on with same carriage bolts used to mount door to cabinet
- 5.30" wide x 12" deep x 14.42" tall

Part Number		Price per ea.	L/10
42-1311-00	Metal Validator Vault	74.95	69.95

BLANKING PLATE FOR DOOR CUTOUT

- For use with ticket dispenser and bill validator type doors
- Covers hole where door has been removed
- Black finish – blends in with equipment
- Easy installation with bolts (sold separately)
- Size: 16.05" high x 7.09" wide

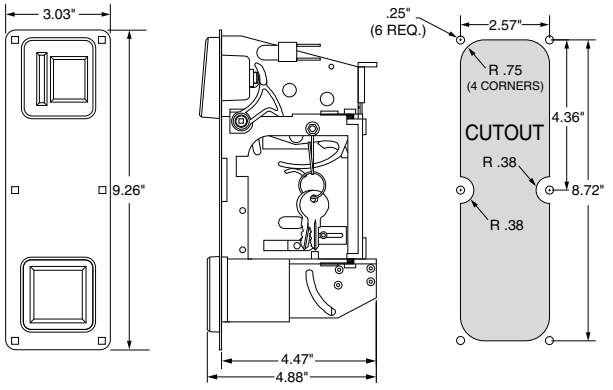
Part Number		Price per ea.
42-0663-00	Blanking Plate for Door Cutout	20.75

SINGLE FRONT PLATE ASSEMBLY

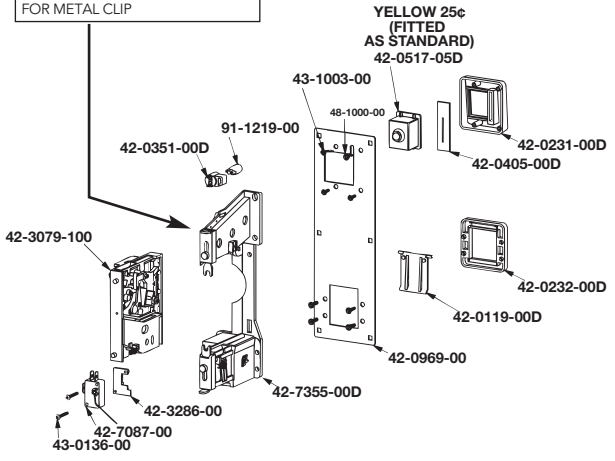
- Industry standard mounting dimensions
- Illuminated coin denomination reject button includes metal plunger
- Available with mechs to accept foreign coins or tokens
- "Universal" Patented one-piece mech. holder design. Will fit **all** known 3" x 5" mechanical and electronic acceptors on the market. See page 77 for illustration
- Available with lockout coil

* Reject Push Button sold as assembly only. See page 116 for Denomination Insert Selection

- Fitted with $.25 US mech



MECH HOLDER PARTS	
MECH HOLDER W/COIN SWITCH	42-3371-00
MECH HOLDER W/O COIN SWITCH	42-7355-00D
COIN SWITCH	42-7087-00
SCREW FOR COIN SWITCH	43-0136-00
METAL CLIP	42-7338-91
THUMBSCREW FOR METAL CLIP	42-7338-90



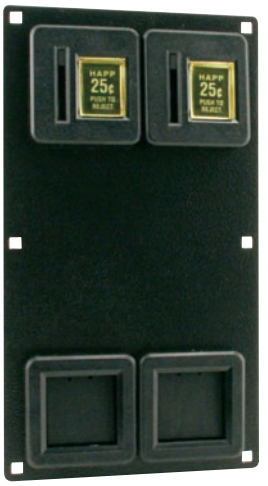
Part Number		Price per ea.	L/6
40-0023-00P	Single Front Plate Assembly	25.25	24.15

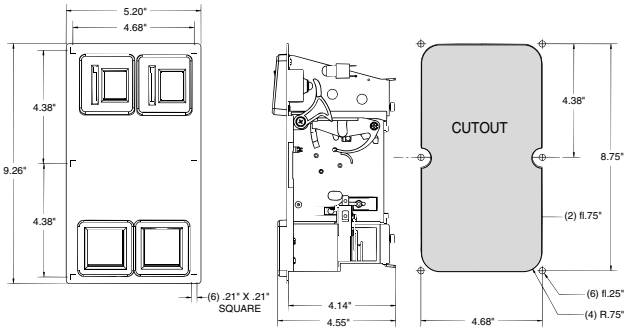
DUAL FRONT PLATE ASSEMBLY

- Industry standard mounting dimensions
- Illuminated coin denomination reject button includes metal plunger
- Available with mechs to accept foreign coins or tokens
- "Universal" Patented one-piece mech. holder design. Will fit **all** known 3" x 5" mechanical and electronic acceptors on the market. See page 77 for illustration
- Available with lockout coil

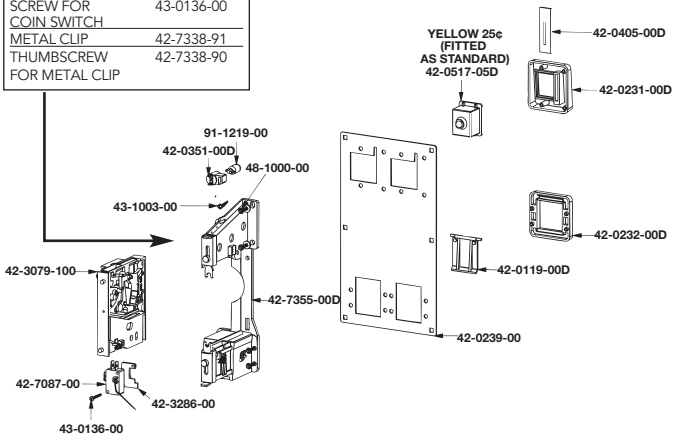
* Reject Push Button sold as assembly only. See page 116 for Denomination Insert Selection

- Fitted with $.25 US mech





MECH HOLDER PARTS	
MECH HOLDER W/COIN SWITCH	42-3371-00
MECH HOLDER W/O COIN SWITCH	42-7355-00D
COIN SWITCH	42-7087-00
SCREW FOR COIN SWITCH	43-0136-00
METAL CLIP	42-7338-91
THUMBSCREW FOR METAL CLIP	42-7338-90

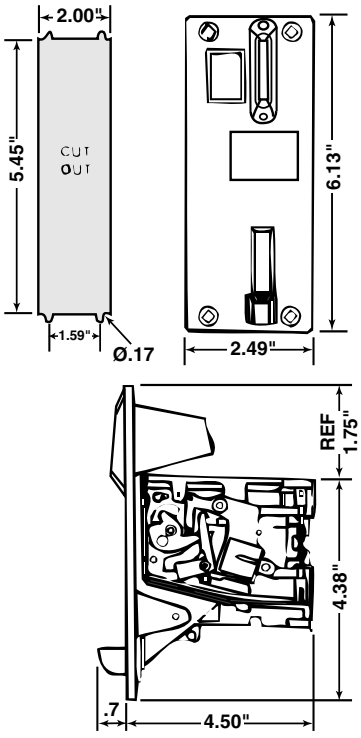


Part Number		Price per ea.	L/6
40-0168-00	Dual Front Plate Assembly	71.10	64.75

MINI FRONT PLATE ASSEMBLY

- Industry standard mounting dimensions (Roll down acceptor types)
- Accepts U.S. 25¢ coin as standard
- Available to accept foreign coins or tokens (Call for P/N)
- Exclusive new mech holder design
- Optional coin lock out coil assembly available

MOUNTING DIMENSIONS



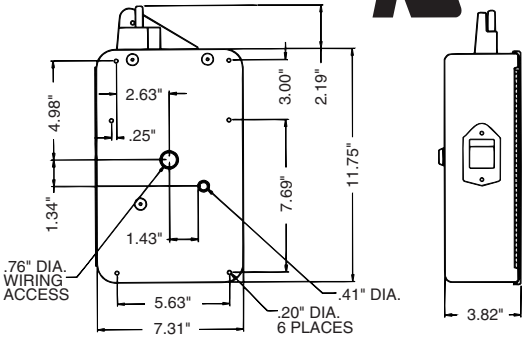
Part Number		Price per ea.	L/6
40-0229-00	Mini Front Plate Assembly w/o Lockout Coil	45.35	41.50
42-1147-00	Coin Switch w/Wire Only	3.45	-

COIN TIMER BOX WITH U.S. QUARTER COIN MECH

- Manufactured by Coin Mechanisms
- Completely self-contained coin box system
- Accepts industry standard mechanical and electronic mechanisms
- Standard with U.S. quarter mechanical coin mechanism
- Silver vein durable epoxy paint finish
- Coin insert has polished chrome finish
- Quick release latches for easy mechanism removal
- UL recognized
- Dimensions: 7.31" W x 11.75" H x 3.82" D

Applications:

Kiddie rides, water dispensers, campground showers,tennis court lights, Internet Kiosks, foot massager/chair massager

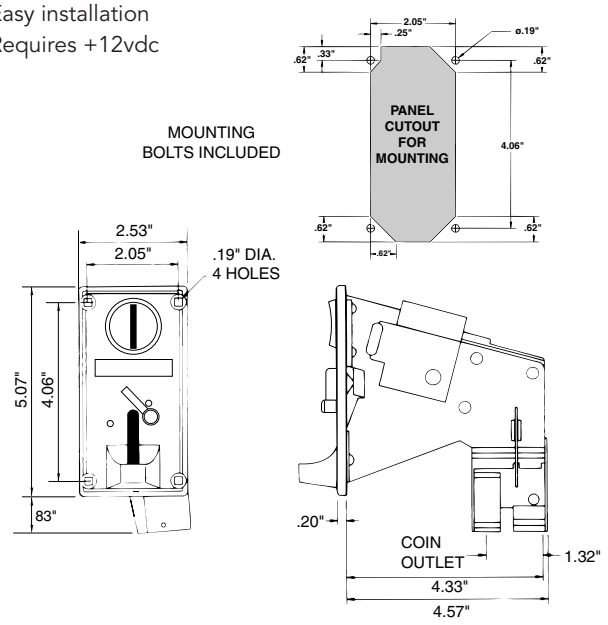


Part Number		Price per ea.
42-3549-00	Coin Timer Box	215.00

ELECTRONIC ROLL DOWN ACCEPTOR WITH REJECT LEVER

- To change the coin you wish to accept, simply lift up the retaining bracket and insert new sample coin and the mech. will accept only that coin
- Accepts coins based on the coins diameter size, thickness and material content
- Capable of accepting a wide variety of coins and tokens:
  Coin Dia. Size: 18 mm to 31 mm (.708" to 1.22")
  Coin Thickness: 1.2 mm to 3.0 mm (.0472" to .1181")
- 3-way adjustable timing switch for coin output
  22 ms/ 45 ms/65 ms
- Adjustable sensitivity to eliminate acceptance of high quality slugs
- Easy installation
- Requires +12vdc

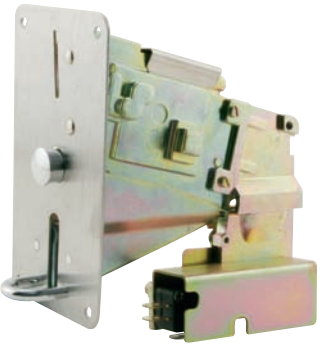
MOUNTING DIMENSIONS



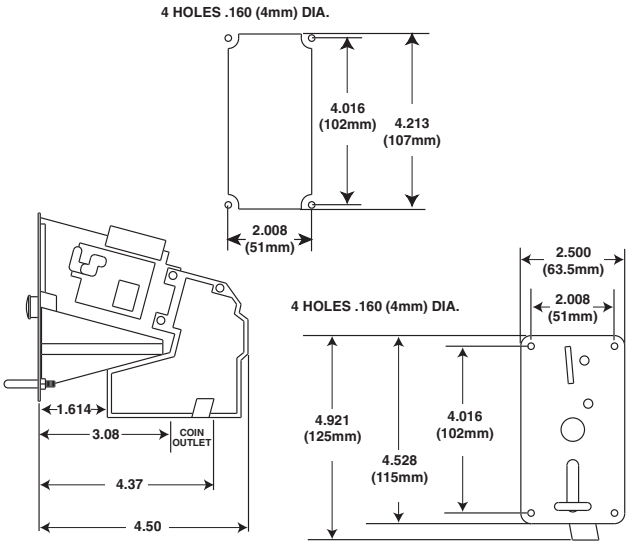
Part Number		Price per ea.	L/6
40-1500-03	Electronic Roll Down Acceptor with Reject Lever	44.20	35.35

S-1 ROLL DOWN ACCEPTOR

- Built-in security devices guard against fraud
- Coin or token sizes between 17mm to 30mm
- Checks for diameter, thickness, metal content, washers and stringing
- Suitable for gaming, vending, car washes, and kiddie rides
- High level of discrimination
- Compact, durable and easy to install
- Includes black coin switch



MOUNTING DIMENSIONS



Part Number		Lockout Coil	Price per ea.
830-4060-93	.984" S-1 Roll Down Acceptor	No	53.65

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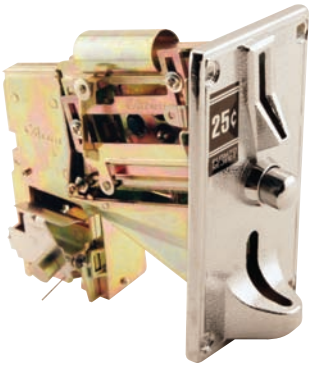
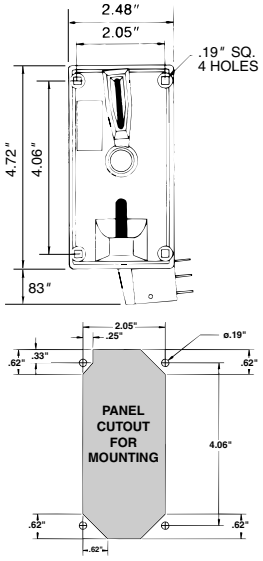
LOCATE A SALES REP NEAR YOU!
HAPP®

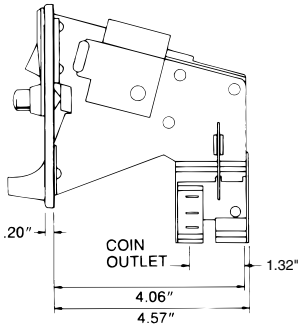
ROLL DOWN ACCEPTOR

- Rugged all die cast construction
- Durable plated finish
- Integral coin entry guide and reject slot
- Has anti-string tippler
- Fitted with standard U.S. coin switch
- Optional coin lock out coil assembly available
- Adjustable to suit any coin size .984, .900, .882, etc.

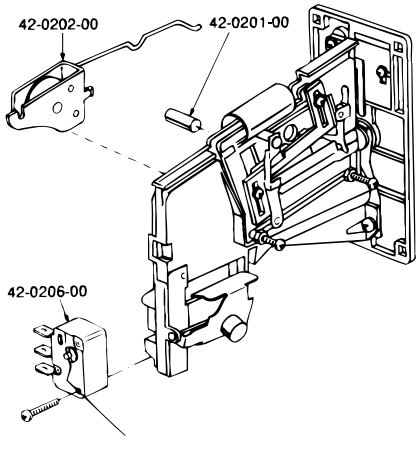




MOUNTING DIMENSIONS



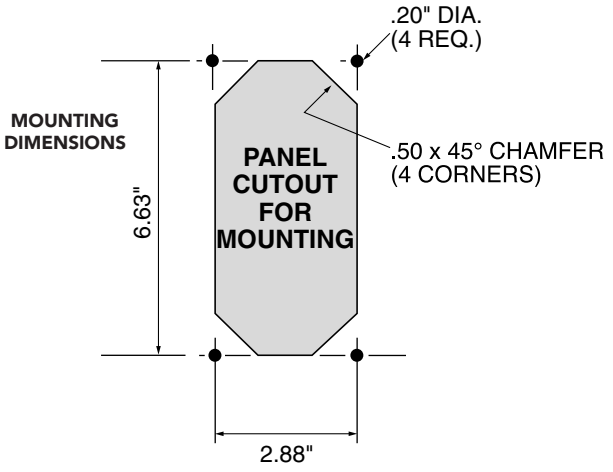
MOUNTING
BOLTS INCLUDED

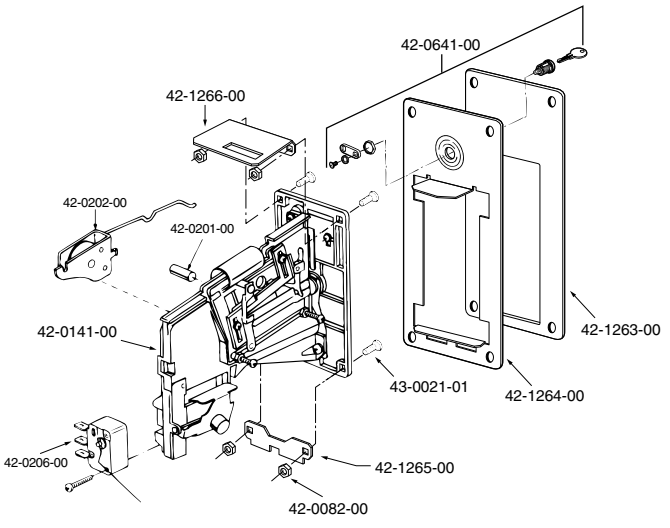


Part Number		Price per ea.
40-0012-00	Roll Down Acceptor $.25 US	31.70
40-0137-00	Roll Down Acceptor .882″ Token	32.60
40-0078-00	Roll Down Acceptor .900″ Token	33.95
40-0108-00	Roll Down Acceptor .984″ Token	34.00

ROLL DOWN ACCEPTOR WITH LOCK

- Stainless steel mounting plate with lock allows for easy access to mech
- Rugged all die cast construction
- Durable plated finish
- Integral coin entry guide and reject slot
- Has anti-string tippler
- Fitted with standard U.S. coin switch
- Optional coin lock out coil assembly available
- Adjustable to suit any coin size .984, .900, .882, etc.
- Lock provides easy access for service





Part Number		Price per ea.
40-0347-00	Roll Down Acceptor with Lock $.25 US	52.95
40-0298-00	Roll Down Acceptor with Lock .900″Token	52.75
40-0307-00	Roll Down Acceptor with Lock .984″Token	52.75

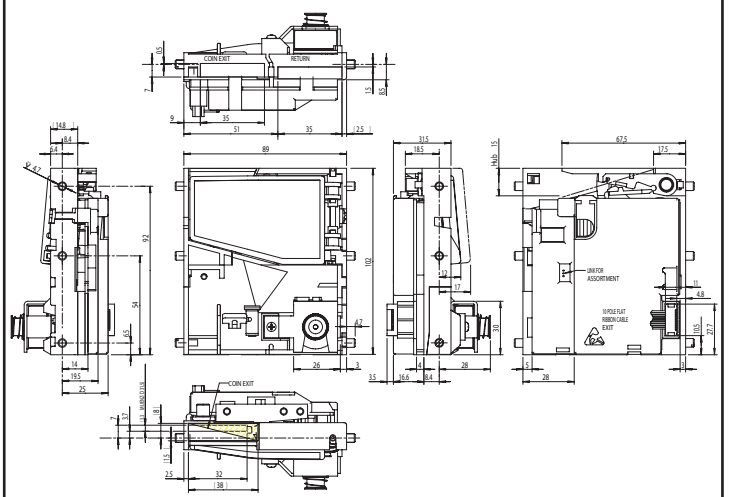
NRI ELECTRONIC COIN VALIDATOR SYSTEM G-13.MFT

- 32 different coins/tokens may be accepted
- Very fast coin/token acceptance; 6 coins per second (Casino model G-13.mft06V)
- Teach mode for 6 tokens
- CMOS micro processor and SMT provides outstanding reliability and improved coin/token measuring system.
- 24 measurement parameters are used; coins/tokens are measured primarily by diameter, thickness, alloy content and even embossing features. Optimised for bi-metal, tri-metal coins.
- Anti-stringing provisions are electronic via a directional accept sensor and a mechanical one way gate
- Re-programmable by means of simple teaching by inserting new coin set with the aid of programming station (PC and/or Palm)
- 90 day warranty from Happ Controls
- Operating voltage 10V to 16V DC
- Current ~55mA standby + ~3W (acceptance gate)
- Size World standard 3.5 x 4 fits all Happ Controls coin doors and front plates

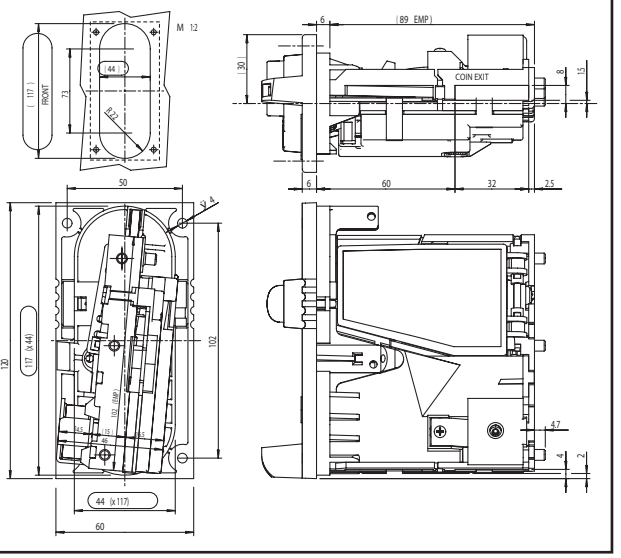
G-13 WITH FRONT PLATE

*** Ribbon Cable Sold Separately**

MOUNTING DIMENSIONS



MOUNTING DIMENSIONS



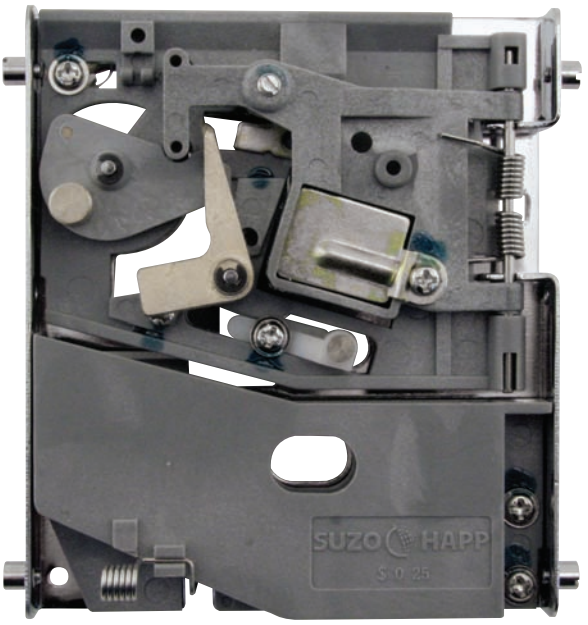
Part Number		Price per ea.
Call for Part #	NRI G-13 Electronic Coin Validator* (Specify coins to accept)	166.15
42-0869-00	Ribbon Cable	10.25

Part Number		Price per ea.
Call for Part #	NRI G-13 Front Plate Electronic Coin Validator*	174.70

HAPP METAL $.25 USA COIN MECH

- Mech utilizes plastic base plate, cradles, gate and coin return chute
- Exclusive cradle design discerns between good and counterfeit coins
- Each mech equipped with anti-stringing device
- Materials carefully chosen for optimum performance and durability
- Color: Black
- Over 99% acceptance of $.25
- Rejects most known false coins

HAPP®

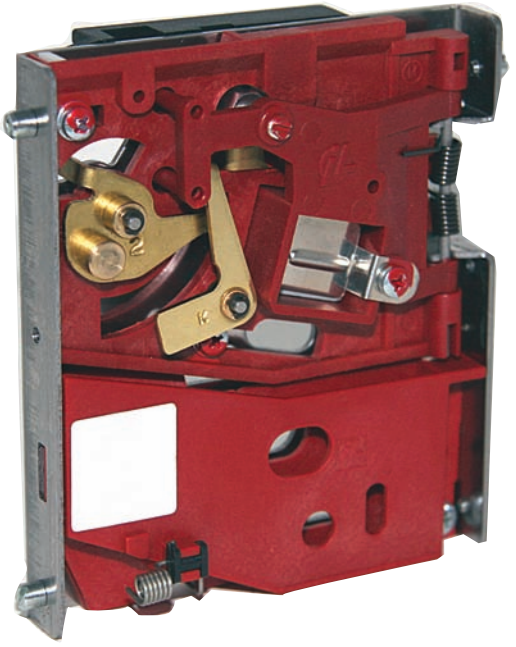


Part Number	Price per ea.	L/6
42-3079-100 Happ Metal $.25 USA Coin Mech	15.60	13.45

HAPP METAL COIN MECH

- Mech utilizes metal base plate, metal cradles, plastic gate and coin return chute
- Each part made with great precision to produce a mech that is highly able to separate good coins from counterfeit coins
- Materials used for each part carefully chosen for optimum performance and durability
- High strength rare earth Neodymium magnet used to enhance mechs ability to reject false coins while accepting good coins
- Each mech equipped with anti-stringing device
- Each mech fully tested and inspected
- Additional coin versions are available upon request

HAPP®



Part Number		Price per ea.	L/6
42-3054-00	$.25 Canadian Coin Mech	21.40	20.30
42-3066-00	$1.00 Canadian Coin Mech	21.40	20.30
42-3065-00	N1.00 Mexico Coin Mech	21.40	20.30
42-3061-00	.800" Token Coin Mech	21.40	20.30
42-3062-00	.882" Token Coin Mech	21.40	20.30
42-3052-00	.900" Token Coin Mech	21.40	20.30
42-3053-00	.984" Token Coin Mech	21.40	20.30
42-3070-00	$.25 & .984" QST Token Coin Mech	21.40	20.30

Part Number		Price per ea.	1-5	L/6
42-3063-00	1.00" Token Coin Mech		21.40	20.30
42-3064-00	1.125" Token Coin Mech		21.40	20.30
42-3069-00	100 Yen Japan		21.40	20.30

HAPP ULTIMECH COIN MECH

- Mech utilizes plastic base plate, cradles, gate and coin return chute
- Exclusive cradle design discerns between good and counterfeit coins
- Each mech equipped with anti-stringing device
- Materials carefully chosen for optimum performance and durability
- Color: Black plastic
- Over 99% acceptance
- Rejects most known false coins

HAPP®

Part Number		Price per ea.	L/6
42-3115-00	Ultimech for $.25 Canadian	16.95	14.95
42-3110-00	Ultimech for .882" Token	16.95	14.95
42-3111-00	Ultimech for .900" Token	16.95	14.95
42-3112-00	Ultimech for .984" Token	16.95	14.95

IMONEX® COIN MECH

- Latest technology reduces coin jam related service calls
- Reliable – no moving parts
- Reduces machine down time and service calls
- Cleaning and maintenance free
- Replaces mechanical coin acceptors

IMONEX®

Part Number		Price per ea.	L/20
42-1184-00	Imonex $.25 USA Coin Mech	28.15	28.15
42-3135-00	Imonex $.25 & .900" Token Mech	33.80	33.80
42-2034-00	Imonex $.25 & .984" QST Token Coin Mech	33.80	33.80
42-8108-00	Imonex $1.00 USA Coin Mech (Golden Dollar & SBA Dollar Coin)	36.65	36.65
42-1184-01	Imonex .882" Token Coin Mech	33.80	33.80
42-1184-02	Imonex .900" Token Coin Mech	33.80	33.80
42-8158-00	Imonex .882" & .900" Token Coin Mech	33.80	33.80
42-1184-03	Imonex .984" Token Coin Mech	33.80	33.80
42-3087-00	Imonex 1" Token Coin Mech	36.65	36.65

IMONEX R SERIES 2-COIN ROLL-DOWN ACCEPTOR

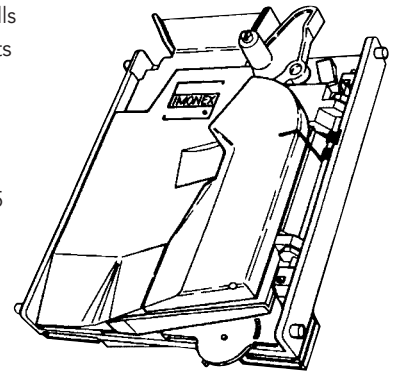
- Accepts both the Golden Dollar $1.00 and $.25 via two independent coin switches and exit paths
- Can be used in Merit Megatouch machines which use roll-down acceptors
- Patented coin processor uses no troublesome rockers/cradles which reduces coin jams dramatically
- Maintenance FREE
- Requires Optional Credit Multiplier Board (42-8110-00) to be installed on $1.00 coin switch to multiply pulses for machines that rely on single $0.25 coin switch closures.

IMONEX®

Part Number		Price per ea.
42-8132-00	Imonex R Series 2-Coin Roll-Down Acceptor	67.40

IMONEX® 3-COIN MECH

- Latest technology reduces coin jam related service calls
- Reliable – no moving parts
- Reduces machine down time and service calls
- Cleaning and maintenance free
- Accepts $.05, $.10 & $.25 U.S. Coins



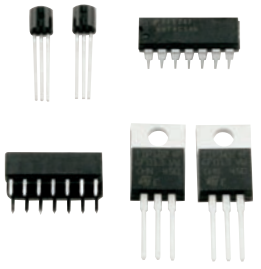
IMONEX®

Part Number		Price per ea.
42-1387-01	760 Coin Mech Quarter Only Ref. No. 965-41	79.80
42-3185-00	Contin-U-Op Model 520 Kit Ref. No. 944-33	44.10

DELTRONIC TICKET DISPENSER REPAIR KIT

NEW

- Save time and money by repairing existing units
- Designed to work on Deltronic Labs DL-1275, DL4-SS and DL4-PS ticket dispensers
- Kit contains the electronic parts that commonly fail
- By replacing these parts, you can solve most common problems

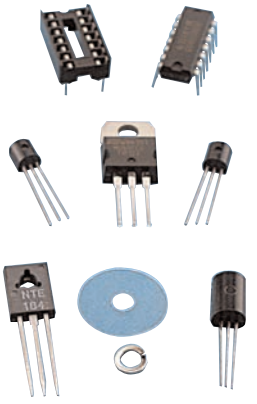


Part Number		Price per ea.
42-3787-DEL	Deltronic Ticket Dispenser Repair Kit	11.95

REPAIR KIT FOR ENTROPY TICKET DISPENSERS

NEW

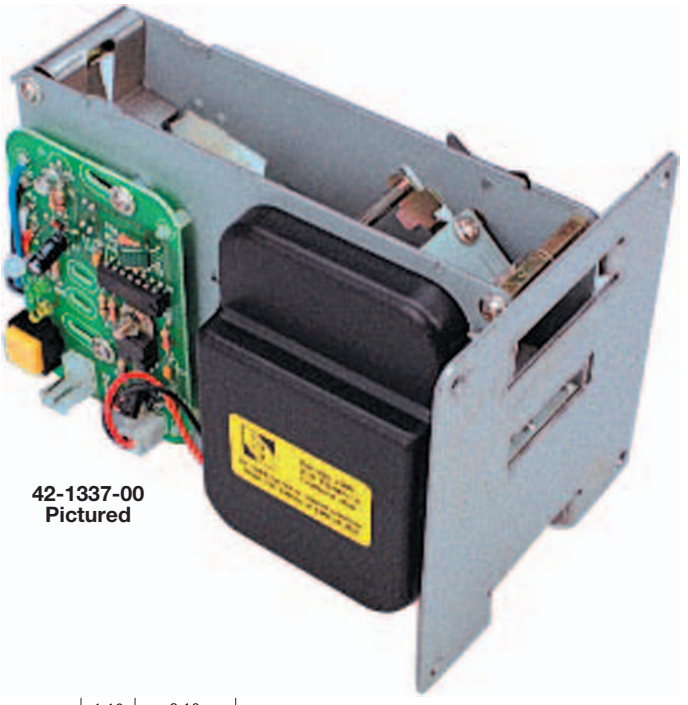
- Save time and money by repairing existing units
- Designed to work on Entropy Type 2000 Continuous and Type 2000 Pulse ticket dispensers
- Kit contains the electronic parts that commonly fail
- By replacing these parts, you can solve most common problems



Part Number		Price per ea.
42-3787-ENT	Entropy Ticket Dispenser Repair Kit	11.95

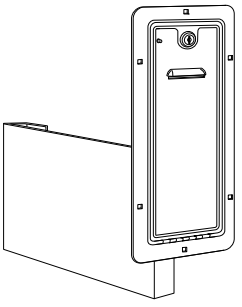
ENTROPY 2000 TICKET DISPENSER

- Reduced ticket jams
- Easy to remove front plate
- Covered optic sensor
- Ticket feed button for easy ticket loading
- Direct compatibility to all major ticket dispensers on the market
- Adjustable Ticket Widths (1" or 1-5/32")
- High speed ticket dispensing 3 tickets per second
- Virtually Dust Free Ticket Validation
- Extra deep embossment of tickets for additional security
- Diagnostic LED sensors
- Fully accessible ticket path with durable stainless steel guide
- 12 Month Warranty (15 months from date of manufacture)



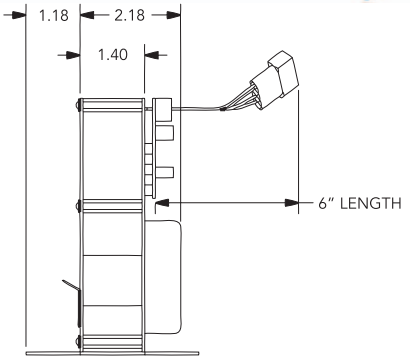
42-1337-00 Pictured

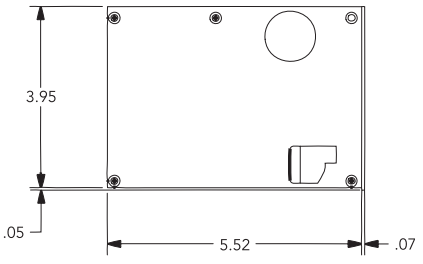
See page 103 for Redemption Tickets

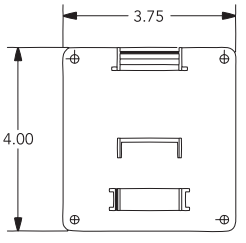


See page 102 for Ticket Dispenser Doors

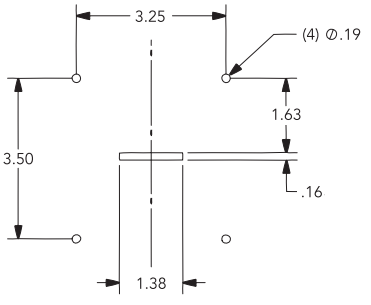
Blanking Plate (42-3394-00) Available







42-1337-00



CUT OUT DIMS

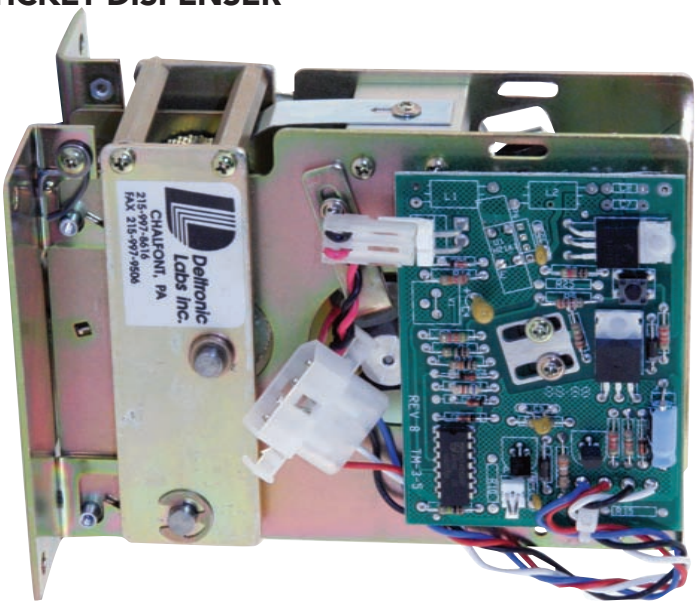
Part Number		Price per ea.	L/6	L/10	L/25
42-1337-00	Entropy 2000 Ticket Dispenser Continuous Type (TD963CR)	101.95	96.95	91.95	86.95
42-1337-10	Entropy 2000 Ticket Dispenser Pulse Type (TD963PR)	107.95	99.95	94.95	94.95

Replacement Parts for Entropy Ticket Dispenser		Price per ea	L/12
A070-1010-00	Replacement PCB for Entropy 2000 Continuous Type	23.35	22.05
A070-1010-10	Replacement PCB for Entropy 2000 Pulse Type	23.35	22.05
42-7208-00	Adjustment Block for Entropy 2000 Ticket Dispenser	5.30	4.85

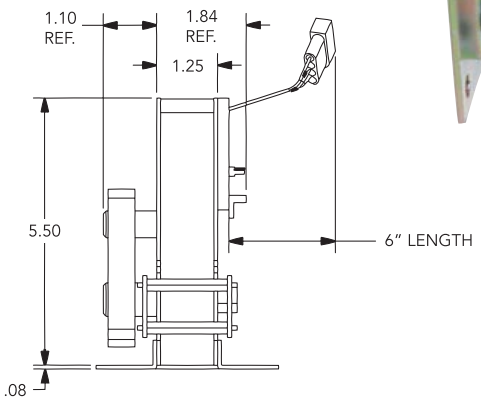
Part Number		Price per ea
42-7269-00	OPTO Sensor Cover for Entropy Ticket Dispenser	3.05
42-8014-00	12V Motor for Entropy 2000 Ticket Dispenser	12.40
102-2045-00	Hold Blade for Entropy 2000 Ticket Dispenser	2.05
102-2034-00	Ticket Guide for Entropy 2000 Ticket Dispenser	5.60
102-2041-00	Bottom Ticket Guide	6.80
102-2044-00	Quick Release Face Plate	10.25
42-6912-00	Harness for Continuous Type	5.25

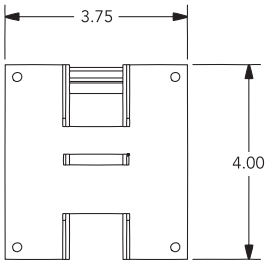
DELTRONIC LABS TICKET DISPENSER

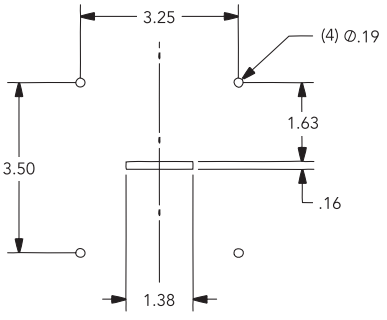
- "Quick Release" face plate
- You can "snap out" one ticket dispenser and immediately replace it with another in just seconds. No tools necessary
- Easy access to front of rollers and ticket guides
- Bottom metal ticket guide
- Foolproof braking system is easily adjustable
- Optical sensor dust cover reduces maintenance
- Validation "Diamond" mark identifies tickets
- Adjustable ticket stop
- Compact and lightweight - 3"W x 4"H x 5-1/2"L, 2-1/4 lbs.



Blanking Plate (42-3394-00) Available







CUT OUT DIMS

Part Number		Price per ea.	L/10
42-0544-00	Deltronic Labs DL-1275 Continuous Type Ticket Dispenser	164.65	158.30
42-0547-00	Deltronic Labs DL-4-S-S Pulse Type Ticket Dispenser	167.95	161.45

Replacement Parts

Part Number	Deltronic P/N		Price per ea.
42-0539-00	BIN-TICKET/AD	Ticket Bin (mounts to floor)	10.55
42-7078-00	—	DL-4-P-S	150.55
42-3184-00	COVR-H21A1/TD/	Dust Cover for Opto Sensor H21A1	2.70
42-1153-00	GUID-BOTTOM/TD/MET	Guide Bottom Metal for Ticket	7.55
42-1154-00	GUID-TOP/TD/MET	Guide Top Metal for Ticket	7.55
42-3175-00	HARN-YOGI2/YB	Harness for Yogi Board	20.30
49-2046-00	HARN-4SS	Wiring Harness for DL-4-SS	8.60
49-0798-00	HDWR-AD	Hardware Kit	4.45
42-3264-00	KIT-VALD/AD/	Validation Roller Kit (include Both Roller & Top Guide)	20.75
DL-1275	PCBD-1275/TD	Pcb Only for DL-1275	51.75
DL4-PS	PCBD-4PS/TD	Pcb for DL4-PS	68.40
49-2044-00	PCBD-4SS	PC Ticket Board for DL-4-SS	56.30
M300-20	PCBD-M300/AD	Pcb Assy Interface for DL-1275 (M300)	150.50

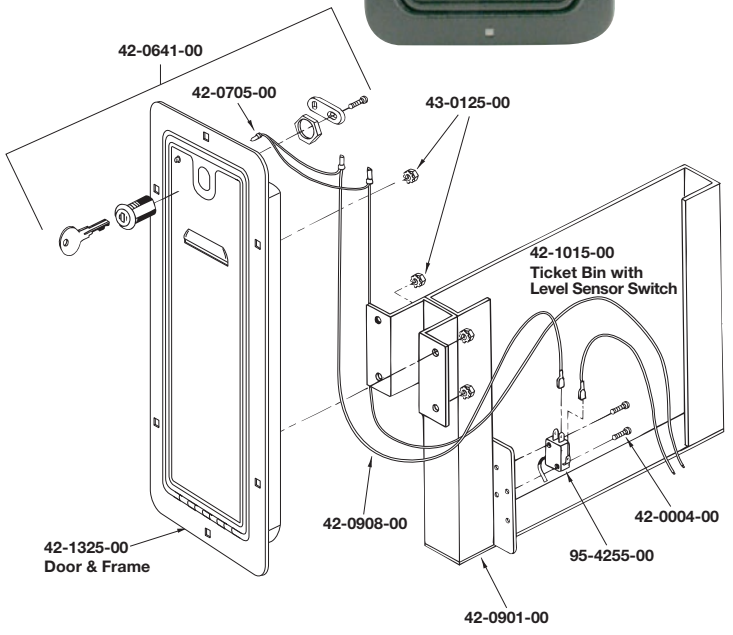
Part Number	Deltronic P/N		Price per ea.
80-A-4766	RM-MOTOR/TD/	Motor	104.95
49-A-2021	RM-RLRDRV/TD/VALD	Drive Roller	23.95
42-3265-00	ROLR-DRIVE/VALD	Validation Drive Roller	17.70
49-A-2020	ROLR-IDLR/VALD	Validation Idler Roller	21.90
42-3263-00	SENS-H21A1/TD/	Opto Sensor H21A1	6.65
49-A-2019	SHFT-IDLRLR/TD/	Idler Roller Shaft	8.60
SPAC-PCBD	SPAC-PCBD/TD	Pcb Spacer	1.55
49-A-2012	SPRG-LOCAT/TD/	Locating Spring	2.30
49-A-2013	SPRG-TENSN/TD/	Tension Spring	2.30
43-0760-00	TRN-2N4401/TT/	Transistor Equivalent to 2N2222	2.00
43-0758-00	TRN-TIP/22TD/	Tip 122 Drive & Brake Transistor (replace D40K1 in new T/D)	3.50
42-3225-00	YOGI KIT	Yogi Kit (complete w/ Pcb DL1275 & Harness Face Plate	374.45
42-3674-00	PCBD	Yogi II Board for Deletronics Ticket Dispenser	188.50

TICKET DISPENSER DOORS

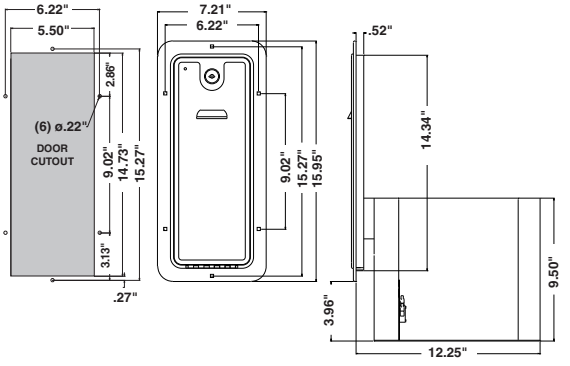
- Sturdy die cast aluminum frame; **a Happ exclusive!**
- Door and dispensers conform to all industry standards
- Has .156" hole for low ticket L.E.D.
- Available with Ticket Low Switch to sense when tickets are running low
- Ticket bin holds 4000 tickets
- Ticket door includes ticket dispenser label set (42-1378-00)

Part Number		Price per ea.	L/10
40-0540-00	Ticket Dispenser Door without Dispenser & LED	33.60	29.45
40-0541-00	Ticket Dispenser Door without Dispenser with LED	49.60	47.00
40-0546-00	Ticket Dispenser Door with Deltronics (DL-1275) Dispenser & Ticket Bin	178.60	170.25

Part Number		Price per ea.	L/10
40-0547-00	Ticket Dispenser Door without Dispenser with Ticket Bin, LED, Level Sensor Switch & Harness	71.10	64.75
40-0550-00	Ticket Dispenser Door with Deltronics (DL-1275) Dispenser with Ticket Bin, LED, Level Sensor Switch & Harness	238.95	226.70

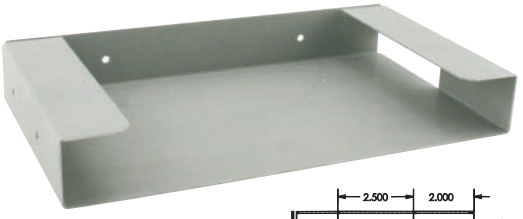


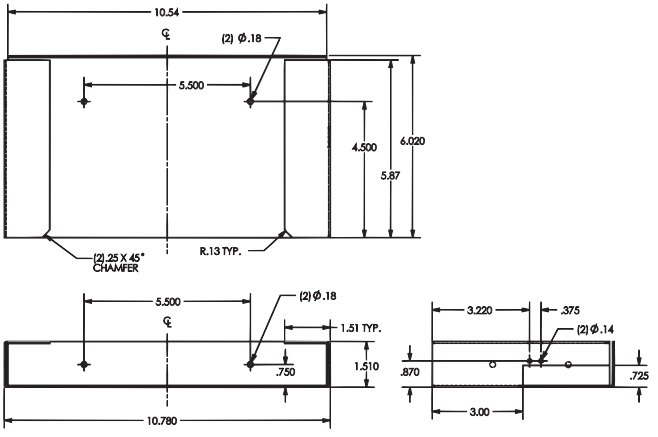
MOUNTING DIMENSIONS
ALL TICKET DISPENSER STYLE DOORS



REPLACEMENT TICKET BIN FOR DELTRONICS

- Mounts to floor
- Holds 2,000 tickets
- Durable one-piece steel construction, no welds
- Holes are pre-drilled for easy mounting
- Made in USA

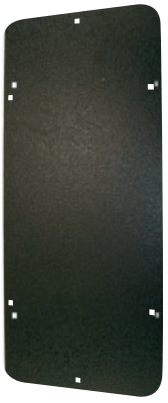




Part Number		Price per ea.	L/12
42-0539-00	Replacement Ticket Bin for Deltronics	10.55	7.40

BLANKING PLATE FOR DOOR CUTOUT

- For use with ticket dispenser and bill validator type doors
- Covers hole where door has been removed
- Black finish – blends in with equipment
- Easy installation with bolts (sold separately)
- Size: 16.05" high x 7.09" wide



Part Number		Price per ea.
42-0663-00	Blanking Plate for Door Cutout	20.75

TICKET DISPENSER LABELS

- Great way to attract attention to ticket dispensing machines
- Simply peel off and stick on
- Black printing on bright yellow background
- Durable polystyrene material adhesive backed
- Size: 5.5" x 4"
- Complete set of 3 decals: "Tickets", "Tickets with Arrow", and "For Amusement Only"

Part Number		Price per ea.	L/25
42-1378-00	Ticket Dispenser Label Set	2.30	2.10

REDEMPTION TICKETS

- Stock 1 5/32" x 2" Redemption Tickets
- Printed one side - "One Coupon"
- Consecutively single numbered
- 2,000 tickets per pack (string tied)
- Sold per pack of 2,000
- 30 packs per case
- **Custom imprinting available**

Part Number		Price per pk.	L/30
49-0906-00	Redemption Tickets, Blue	5.85	5.25
49-0906-10	Redemption Tickets, Red	6.65	6.05
49-0906-13	Redemption Tickets, Green	6.65	6.05
49-0906-15	Redemption Tickets, Yellow	6.65	6.05
49-0906-16	Redemption Tickets, Gray	6.65	6.05
49-0906-17	Redemption Tickets, Orange	6.65	6.05
49-0906-18	Redemption Tickets, Pink	6.65	6.05

TICKET DISPENSER MOUNTING PLATE

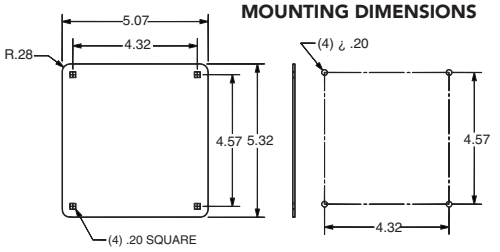
- Allows Ticket Dispenser to mount to front of game with carriage bolts
- Simply cut out square hole and install
- Made from durable Stainless Steel

Part Number		Price per ea.	L/10
42-1268-00	Ticket Dispenser Mounting Plate	13.00	11.80

BLANKING PLATE FOR TICKET DISPENSERS

- Now you can remove your ticket dispenser and cover the hole with an OEM blanking plate
- Black painted metal blends in with equipment
- Size: 5.32" x 5.07" x .20"
- Easy installation with bolts (sold separately)
- Made in USA

MOUNTING DIMENSIONS



Part Number		Price per ea.
42-3394-00	Blanking Plate for Ticket Dispensers	11.85

SMALL DOOR AND FRAME ASSEMBLY FOR HOME ARCADE CABINET

- Give your home arcade cabinet the look of a real cabinet
- Sturdy one-piece die cast metal frame
- Heavy duty 16 gauge drawn steel door
- Industry standard mounting dimensions

Part Number		Price per ea.
40-0708-00	Small Door and Frame Assembly, Single Entry	29.95
40-0713-00	Small Door and Frame Assembly, 2 entry	32.95

STANDARD CHANGE-MAKERS FRONT LOAD CHANGERS

Standard Change-Makers, Inc. has been delivering high quality Change, Ticket and Token machines since 1955. Their products are tough, dependable and backed by outstanding service.

THE MC100 SERIES

42-7284-00
MC100 Changer

42-7284-00B
Base only
(shown with changer)

42-7284-00H
Header only
(shown with base and changer)

Modular Series Features:

Front & Read Load Models

Bill Acceptor(s): Pyramid Technologies® APEX-5000 Series (Coinco®, CashCode® & Mars® available-MDB Only)

Bill Stacker capacity: 500 Bills standard (1,000 bill stackers available)

Hopper(s): Galvanized Steel construction with tilting Base for easy Hopper Dump operation without disconnecting power

Hopper Capacity: One Hopper models: $800 or 3,200 quarters; Two Hopper Models: $1,600 or 6,400 quarters

Cabinet: Solid-welded steel (no rivets or spot welds), finished in high gloss Powder-Coat enamel

Graphics: Scratch-resistant Lexan™

Locks: T-Handle "Slam Locks" with Ace™ plugs standard (Medeco™ Lock Plugs available)

ETL Certified machines-in accordance with UL 756 and CSA-C22.2, No. 128 standards

Two year Limited Warranty (2 Year Parts, 1 Year Labor)

The MC100 Changer
(Front Load – Single Hopper)

- Pyramid® MDB Bill Acceptor (2,000 Bill Stackers)
- Mega-capacity modular coin hopper with Smart Hopper technology
- Heavy-duty 12-gauge steel cabinet, 11-gauge steel door
- Lexan graphics with back cabinet finish
- Capacity = $800 or 3,200 quarters
- "Out of Service" indicator light
- T-handle "Slam" locks with Ace™ lock plug

The MC100 Specifications

	Height	Width	Depth
Cabinet	32"	8-1/2"	13"
Base	30"	8-1/2"	13"
Header	10"	8-1/2"	13"

Part Number		Price per ea.
42-7284-00	MC100 Changer Only	1,566.65
42-7284-00B	MC100 Base Only	122.55
42-7284-00H	MC100 Header Only	58.95

THE MC200 SERIES

42-7285-00
MC200 Changer

42-7285-00B
Base only
(Shown with Changer)

42-7285-00H
Header only
(Shown with base and changer)

The MC200 Changer
(Front Load – Double Hopper)

- Pyramid® Bill Acceptor (500 Bill Stacker)
- Two of Standard's Steel, Modular Coin Hoppers (Capacity = $1,600 or 6,400 quarters/tokens)
- Smart Hopper Technology programmability
- Black Lexan Graphics with Black cabinet finish
- Cabinet constructed of heavy-duty, solid-welded 12-gauge steel (10-gauge steel door)
- "Out of Service" Indicator light
- T-handle "Slam" locks with Ace™ lock

The MC200 Specifications

	Height	Width	Depth
Cabinet	32"	8-1/2"	13"
Base	30"	8-1/2"	13"
Header	10"	8-1/2"	13"

Part Number		Price per ea.
42-7285-00	MC200 Changer Only	2,024.60
42-7285-00B	MC200 Base Only	160.50
42-7285-00H	MC200 Header Only	71.55

AMERICAN CHANGER CORP.

AMERICAN CHANGER SINGLE HOPPER BILL CHANGER

NEW

- Coinco Mag50 bill validators accepts $1, $2, $5, $10, $20
- Can dispense one or two of the following: quarters, tokens or $1 coins
- Stacker capacity: 450 bills
- Hopper capacity:
  2,800 Quarters / tokens
  2,200 $1 coins
- Token Range:
  Diameter – .3/4" to 1-1/8"
  Thickness - .049" to .098"
- Size: 8-1/2"W X 26"H X 13"D
- Weight: 50 lbs

Part Number		Price per ea.
AC1001	American Changer Single Hopper Bill Changer	1355.99
AC1070	Base for AC1001	152.00

AMERICAN CHANGER DUAL HOPPER BILL CHANGER

NEW

- Coinco Mag50 bill validators accepts $1, $2, $5, $10, $20
- Can dispense one or two of the following: quarters, tokens or $1 coins
- Stacker capacity: 1,000 bills
- Hopper capacity:
  Quarters / tokens – 2,800/hopper or 5,600 total
  $1 coins – 2,200/hopper or 4,400 total
- Token Range:
  Diameter – .3/4" to 1-1/8"
  Thickness - .049" to .098"
- Size: 13-3/8"W X 26"H X 13"D
- Weight: 91 lbs

Part Number		Price per ea.
AC2001	American Changer Dual Hopper Bill Changer	1699.00

AMERICAN CHANGER AC6000/6003 BILL CHANGER

NEW

- Dual MEI bill validators
- Accepts promotional free play notes
- Can dispense one or two of the following: quarters, tokens or $1 coins
- Stacker capacity: 2,000 bills
- Hopper capacity:
  Quarters / tokens – 10,000/hopper or 20,000 total
  $1 coins – 9,000/hopper or 18,000 total
- Token Range:
  Diameter – ?" to 1-1/8"
  Thickness - .049" to .098"
- Size: 28W X 54H X 18D
- Weight: 285 lbs

Part Number		Price per ea
AC6000	American Changer AC6000/AC6003 Bill Changer	3899.00

AZKOYEN HOPPER

The **AZKOYEN HOPPER "E"** can be used in the majority of change or coin / token pay out applications since it is not coin specific and has features and options that make it very versatile.

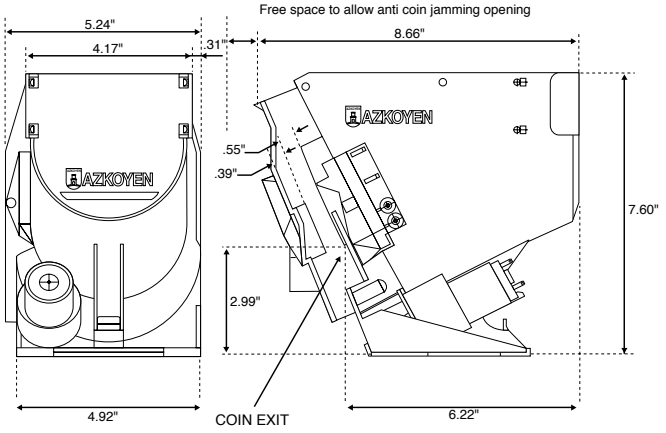
- Available in 12vdc or 24vdc
- Normal hopper or natural overflow, that avoids sophisticated software to control the hopper overflow (this overflow level could be customized).
- High level switch to detect, working on a weight principle, when the hopper is full and to report back to the machine software so it can route the excess coins into the cashbox. This level is adjustable with a screw.
- Low level switch for empty hopper detection
- Two hoppers can be linked together to operate side by side for greater capacity in large pay out applications or to offer twin denomination pay out capability.
- Optical switch coin counting with a special feature that warranties a minimum pulse length of 18 milliseconds, avoiding special software treatment of the holes in coins or tokens.
- Pay out rate approximately 3 or 4 coins per second
- White disc

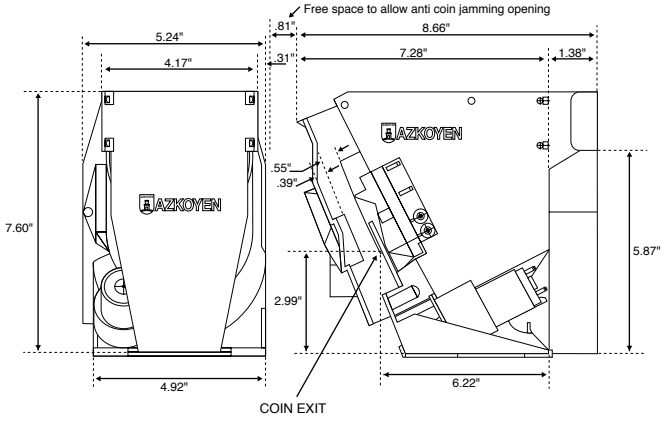
SPECIFICATIONS FOR AZKOYEN HOPPER

SUPPLY VOLTAGE:	12 / 24 vdc Stabilized
NORMAL CURRENT CONSUMPTION:	300 / 200 mAmp
MAXIMUM STARTING CURRENT:	3 / 1.5 Amps (+- 20%)
R.P.M.	20 / 24

ESTIMATED CAPACITY (DEPENDS ON COIN THICKNESS)

Coin Diameter	Coin Capacity
23.0 mm	1,000 coins
24.5 mm	600 coins
26.5 mm	670 coins





Normal Hopper

Natural Overflow Hopper

Part Number	Voltage	Hopper	Low Level Switch	High Level Switch	Price per ea.
41061451-0	24vdc	Normal	Yes	No	111.50
41061791-0	12vdc	Normal	Yes	No	111.50
41061801-0	12vdc	Natural Overflow	Yes	No	101.95
63000781-0	24vdc	Normal	Yes	Yes	128.55
41061101-0	24vdc	Natural Overflow	Yes	No	111.50
41061101-12	12vdc	Normal	Yes	Yes	111.50

Replacement Parts

Part Number	Description	Price per ea.
41050721-0	Gear motor	30.15
43307710-0	Control Board for Mini-Hopper with Opto Counter	17.65
41050741-0	Hopper Motor 24V, 20 RPM	29.55
43306840-2	Opto Sensor Board	24.10

HAPP ELECTRIC / MANUAL COIN COUNTER

- Counts coins and tokens of almost any size, even the new Golden Dollar Coin
- Available with either plastic or metal tray and base
- Programmable stops at 20, 25, 40, 50, 100, 200 and infinity and automatically stops to allow emptying of wrapper tube
- 5 digit resettable counter
- Reversible motor assists in clearing jams
- Average speed counts between 1,200 - 1,500 coins per minute.
- Comes with an additional rubber feed roller plus extra internal gears
- Includes $.05, $.10, & .25 coin tubes
- 110v AC
- 90 day warranty

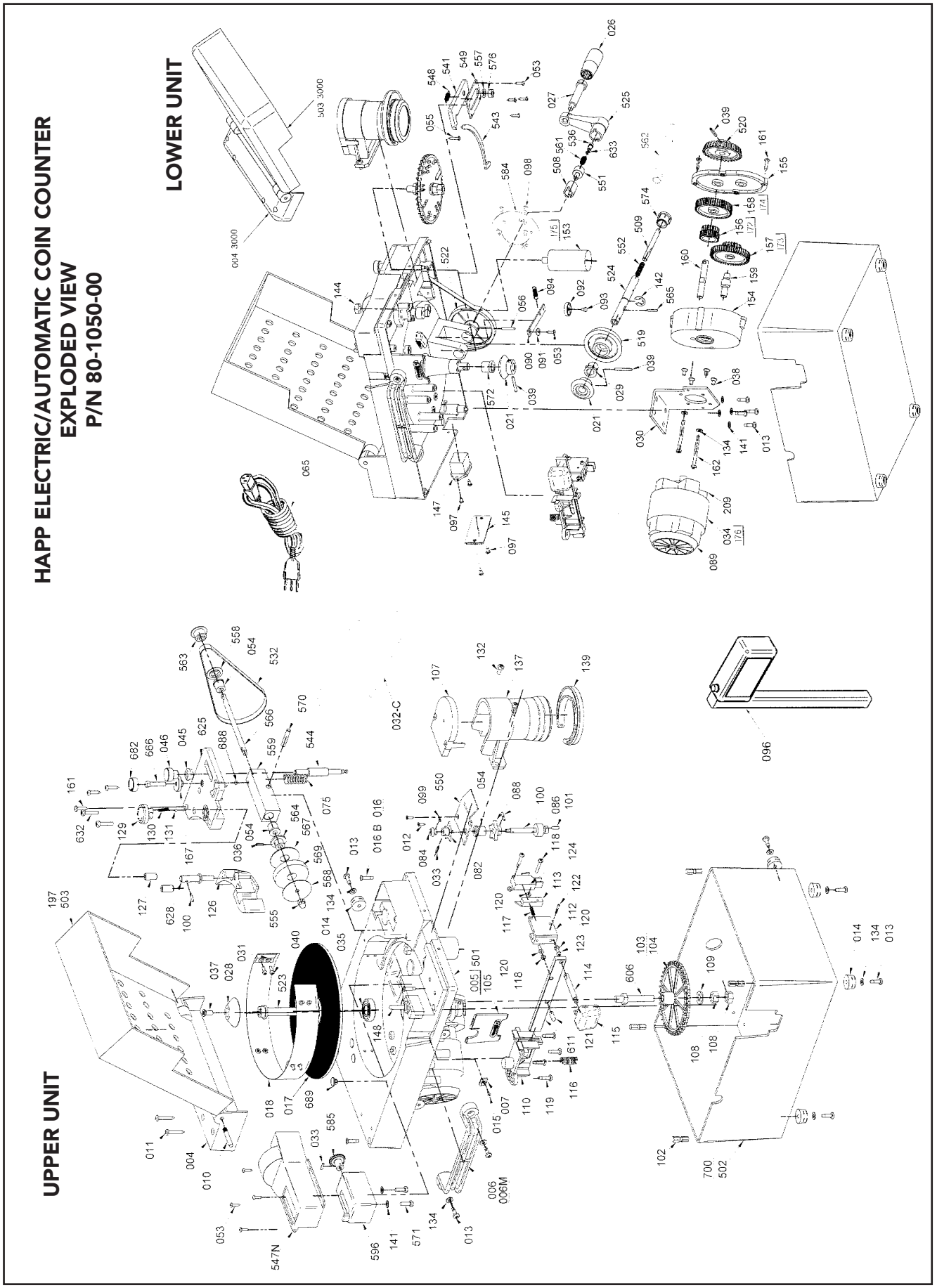
HAPP®

CE

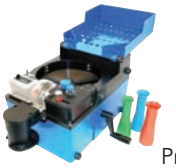
Part Number		Price per ea.
80-1050-00	Coin Counter with Metal Tray and Base	578.80
80-1050-PL	Coin Counter with Plastic Tray and Base	509.25
80-1209-00	Orange Coin Tube for Golden Dollar	6.75

HAPP SELLS BRAND NAME QUALITY

HAPP ELECTRIC/AUTOMATIC COIN COUNTER
EXPLODED VIEW
P/N 80-1050-00



REPLACEMENT PARTS FOR HAPP COIN COUNTER
(SEE EXPLODED VIEW DIAGRAM FOR REFERENCE ON PAGE 207)



Ref. #	Part Number	Description	Price per ea.
-	80-1066-00	Blue Coin Tube $.05	5.25
-	80-1064-00	Gray Coin Tube $.01	5.25
-	80-1065-00	Green Coin Tube & $.10	7.65
-	80-1055-00	Orange Coin Tube $ .25	5.25
194	80-1209-00	Orange Coin Tube for Golden Dollar	5.25
004	80-1053-004	Cover	14.30
005	80-1101-00	Plate Tooth	10.85
006	80-1056-00	Handle	15.30
010	80-1069-010	Hinge	1.75
013	80-1059-013	Screw for Handle & Foot	.98
014	80-0057-014	Rubber Foot	2.10
021	80-1082-021	Pinion Gear	11.55
028	80-0046-028	Cone	3.15
029	80-1083-029	Rotation Bushing	4.85
031	80-1070-031	Bracket	2.40
033	80-1089-033	Roll pin	.75
039	80-1139-039	Shaft Pin	1.15
045	80-1056-045	Guide Bracket Slide Arm	7.30
046	80-1037-046	Knob	16.95
054	80-1063-054	Bushing	7.85
082	80-1089-082	Upper Star Wheel	8.40
084	80-1102-084	Gear for Star Wheel	11.80
088	80-1096-088	Star Wheel	9.00
090	80-0065-090	Lever	6.50
091	80-1098-091	Spacer Pivot for Lever	6.80
092	80-0065-092	Bushing	4.00
093	80-0065-093	Pin	4.00
094	80-0047-094	Spring	5.45
096	80-1058-096	Meter Old Style	121.60
116	80-0049-116	Adjustment Spring	5.65
117	80-1061-117	Spring for Count Stop A	3.15
120	80-0065-120	Nut	.91
123	80-0065-123	Screw	.91
126	80-1053-126	Housing	116.35
127	80-0059-127	Coin Guide	10.35
129	80-0048-129	Knob	11.80
132	80-1087-132	Screw	.98
137	80-1087-137	Coin Outlet w/ Ring	15.25
139	80-1087-139	Plastic Ring	14.40

Ref. #	Part Number	Description	Price per ea.
147	80-0050-147	Plug Adapter	13.65
148	80-1039-00	Toggle Switch	23.55
161	80-0052-161	Screw	1.75
175	80-1097-175	Condenser	53.30
176	80-1092-176	Motor	139.30
509	80-1106-509	Plate	5.50
519	80-1085-519	Feed Shaft	11.80
520	80-1084-520	Reducer Gear	11.55
522	80-1080-522	Gear	12.75
532	80-1054-532	Drive Belt	11.50
541	80-0051-541	Mounting Plate	14.40
543	80-0052-543	Guide Arm	6.05
548	80-0053-548	Spring	5.25
550	80-1090-550	Plate	14.50
552	80-1137-00	Spring	4.00
555	80-1078-555	Nut	.96
563	80-1073-563	Shaft	15.30
564	80-1074-564	Bushing	13.80
565	80-1138-565	Pin	2.35
567	80-1075-567	Large Washer	7.70
568	80-1077-568	Rubber Wheel Washer	7.70
569	80-1076-569	Rubber Feed Wheel	5.20
572	80-1081-572	Bushing	5.90
587	80-1056-587	Meter Cover	15.30
628	80-0055-628	Shaft	6.95
667	80-0056-667	Adjusting Lock Nut	6.35
682	80-1051-682	Adjusting Screw	10.85
1003	80-1069-00	Cover	99.80
1006	80-1099-1006	Crank Handle	11.50
1016	80-1095-1016	Shaft for Star Wheel	31.20
1017	80-1086-1017	Arm Entering for Star Wheel	25.55
1018	80-1057-1018	Meter	62.10
1028	80-1083-1028	Lever	148.10
1035	80-1071-00	Gear Box	103.65
2019	80-1086-2019	Gear	18.20
2025	80-1053-2025	Complete Adjustment Assy	118.45
2003	80-1053-2003	Cover With Hinge	25.15

M104 COIN SORTER AND COUNTER

NEW

- Unit counts and sorts mixed coins all in one function
- Pre-set for .05, .10, .25 and $1.00 US coins
- Can also except Euro, Hungarian Florin, British Pound, Turkish Lira and Token coins
- Built entirely of stainless steel, the M104 is highly durable
- Unit has a retractable handle and carrying case which allows you to bring to any location
- Has an interactive display with four lines, 20 characters per line
- It includes a built-in printer that provides a receipt with date and time stamp for each operation performed, with a breakdown on the number coins counted for each denomination, the total value per coin type, as well as the total value collected
- Plus it has an RS232 interface which allows the M104 to export data onto a PC or laptop
- Data can be stored even when the machine is turned off
- It can count 600 coins per minute and has a 600 coin capacity

Part Number		Price per ea.
80-1050-20	M104 Coin Sorter/Counter	2195.00

KLOPP COIN COUNTERS / WRAPPERS AND SORTERS

Since 1931, Klopp has been a U. S. manufacturer of high quality, economically priced coin handling equipment. Their superb reputation for accuracy, rugged dependability and almost no breakdowns has been justifiably earned through the test of time. Their products are made in the USA.of cast aluminum and hardened steel. This means long life and minimal service. Klopp products are covered by a one year factory warranty on both parts and labor.

Here's how Klopp Coin Counter / Wrappers and Sorters benefit you:

- Eliminate 70% of the time now being spent to count and wrap coins by hand or with a plastic slide.
- Cut labor costs of coin processing by providing fast and accurate counts the first time.
- Eliminate human error caused by interruptions since the Klopp does the counting, not the operator.
- Speed bank deposit preparation.

THE KLOPP KONVERTIBLE ELECTRIC AND MANUAL COIN COUNTER

KLOPP® INTERNATIONAL, INC.

This portable coin counter wrapper-bagger can be operated electrically or manually. It's easy to convert to manual operation if electric power is not available - simply remove the hand crank from its storage location, insert it in the side of the counter housing and your ready to count. The hand crank is super easy to turn because Klopp's exclusive Pfraylea Bearing design eliminates all motor belt drag when operating manually. Klopp's positive lock-out system prevents electric coin counting operation while the hand crank is inserted into the counter. The Klopp Konvertible counts, wraps or bags $1.00, $.25, $.10, $.05, $.01 coins plus numerous tokens and non-U. S. coins, one denomination at a time. The Model KK does not sort mixed coins.

SPECIFICATIONS:

- Construction - Cast aluminum and hardened steel
- Portable - Model KK has a large hinged coin tray that folds to protect the controls from dirt or damage when not in use.
- Denominations - Counts, wraps or bags U. S. or Canada Dollar, $.25, $.10, $.05, $.01 plus .800, .882, .900, .984 and 1" tokens. Models to count the 1-1/8" token or coin/token sizes up through 26mm in diameter and 2mm in thickness are optional on request. Klopp equipment does not reject slugs or differentiate between coins/tokens of the same diameter.
- Coin Stops - 20, 25, 40, 50 coins/tokens for wrapping, plus "C" for continuous flow into a bag
- Meter - five (5) digit resettable
- Wrapping Tubes - Color Coded; in U. S. $.25, $.10, $.05; in Canada $.25, $.10, $.05
- Processes - bags 1,800 coins per minute and can fill a bank wrapper in 4 seconds. Coin tray holds approximately 3,000 coins.
- Finish - Polished aluminum and textured gray enamel
- Dimensions - 10" W x 12" H x 15" D closed , (20" D open)
- Weight - 22 lbs., shipping weight 27 lbs.
- Motor - 1/40 hp, 115 volt, 60 cycle
- Factory Warranty - One year on parts and labor at factory

Part Number		Price per ea.
80-0309-00	The Klopp Konvertible Electric And Manual Coin Counter	1,383.40
27-1319-00	Wrapping Tube for Golden Dollar	63.35

KLOPP COIN COUNTER / WRAPPER / BAGGER

80-0064-CE
CE MODEL

KLOPP® INTERNATIONAL, INC.

QUALITY MADE IN THE U.S.A.

Counts, wraps or bags dollars, quarters, nickels, dimes, pennies and tokens one denomination at a time. Pour a large quantity of the same denomination of coins into the tray. Set the controls and insert a bank wrapper in the wrapping tube at the front of the unit. Turn the switch on or turn the crank handle and in four seconds the wrapper is filled with the proper number of coins and the unit automatically stops. Repeat this process until all coins are counted and wrapped. This unit will also count and bag coins instead of wrapping them. Just replace the wrapping tube with an optional bag tube at the front. The resettable meter will tell you the number of coins that have been counted into the bag.

SPECIFICATIONS:

- Construction - cast aluminum and hardened steel
- Finish - polished aluminum and textured gray enamel
- Coin Stops - 20, 25, 40, 50 coins/tokens for wrapping, plus "C" for continuous flow into a bag
- Meter - five (5) digit resettable
- Wrapping Tubes - Color Coded; in U. S. $.25, $.10, $.05, $.01; in Canada $.25, $.10, $.05
- Processes 1,800 coins per minute and can fill a bank wrapper in 4 seconds. Coin tray holds approximately 3,000 coins.
- Dimensions -
  Electric Model CE 10" W x 12" H x 15" D, (20" D open)
  Manual Model CM 10" W x 12" H x 10" D, (20" D open)
- Weight -
  Electric 22 lbs., shipping weight 27 lbs.
  Manual 14 lbs., shipping weight 19 lbs.
- Motor - Electric unit only 1/40 hp, 115 volt, 60 cycle
- Denominations - Counts, wraps or bags U. S. $1 $.25, $.10, $.05, $.01 plus .800, .882, .900, .984 tokens; In Canada, $.25, $.10, $.05, $.01. Also, U. S. and other coins and tokens up thru 26 mm in diameter and 2 mm in thickness on request.
- Electric Model Number - CE
- Manual Model Number - CM

Part Number		Price per ea.
80-0064-CE	Klopp Electric Coin Counter/Wrapper/Bagger	1,245.95
80-0063-00	Klopp Manual Coin Counter/Wrapper/Bagger	1,105.95
27-1319-00	Bagging Tube for Golden Dollar	63.35

REPLACEMENT PARTS FOR KLOPP COIN COUNTERS

Part Number	Klopp Ref.	Description	Price per ea.
42-3169-00	2-010	Drive Star	20.45
80-0261-00	3-111120	Standard Frame, Manual	7.30
80-0246-00	3-1210	Bracket Disc	41.85
80-0248-00	3-1349	Pinion Gear - Disc Shaft	19.10
80-0063-3-1360	3-1360	Rubber Inserts for Top of Count	1.55
80-0249-00	3-2110	Drive Wheel-Manual	46.80
80-0263-00	3-9010	Meter Only, as of 7/88	113.95
42-7205-00	3-9020	Knob for Coin Meter	6.30
80-0224-00	3-925110	Leg Shoulder Screw	7.65
80-0272-00	3-92550	Rubber Tip	6.15
27-1199-00	3-92590	Tray Locking Leg	17.95
80-0260-00	3-940	Bevel Gear-Drive Star Shaft	30.50
80-0256-00	4-390	Drive Belt - Motor	34.20
80-0240-00	482213	Motor, Long Shaft	310.00
80-0265-00	7-20	Trip Hinge	8.30
80-0227-00	76762	Drive Wheel, Manual	43.05
80-0249-00	76793	Drive Wheel, DE-211	46.80
80-0270-00	91-320	Bevel Gear Assembly	87.30
80-0252-00	93-50	Coin Gauge Assembly	246.50
80-0266-00	93-130	Disc Assembly-$/1"	246.50
80-0063-93-2210	93-2210	Lower Discharge Wheel	72.40
80-0254-00	93-40	Hopper/Horn & Shield Assembly	126.55
80-0268-00	93-420	Shield Assembly	31.65
80-1202-05	94-975	Nylon Wrapping Tube $.05	41.40

Part Number	Klopp Ref.	Description	Price per ea.
80-0250-00	3-22250	Shaft-Discharge Wheel	7.55
80-0243-00	3-320	Rubber Base Feet	4.45
80-0242-00	3-550	Pawl Spring	12.50
80-0247-00	3-560	Spring-Coin Guide Finger	8.55
42-3170-00	3-570	Coin Guide Finger	10.95
80-0257-00	3-620	Screw - Hopper Shoulder	6.85
80-0259-00	3-630	Plate - Hopper Shoulder Screw	8.85
80-0258-00	3-640	Spring - Hopper Shoulder Screw	4.40
42-7206-00	3-740	Tube Clip	9.60
42-0262-00	3-810	Crank Collar	13.10
80-0228-00	93-530	Worm Assembly	59.45
80-0063-93-580	93-580	Upper Discharge Wheel	24.60
80-0251-00	93-6170	Guide Rail Assembly	31.70
80-0063-93-830	93-830	Crank Assembly	53.85
93-900	93-900	Meter Assembly, pre 7/88	156.00
80-1202-984	93-9129	Metal Wrapping Tube, .984 Token	54.30
80-0267-00	94-2120	Small Gear Assembly	29.20
80-1202-100	94-970	Nylon Wrapping Tube, $1 US/Canadian	54.30
80-1202-01	94-971	Plastic Wrapping Tube $0.01Penny	42.25
80-1202-10	94-9710	Plastic Wrapping Tube $0.10 Dime	42.25
80-1202-1	94-97100	Nylon Wrapping Tube, 1" Token	54.30
80-1202-25	94-9725	$0.05 Nickel $0.25 Quarter	42.25
80-1202-1125	94-9718	Nylon Wrapping Tube, $2 Canadian	54.30
80-1202-05	94-975	Nylon Wrapping Tube,	42.25
80-1202-882	94-97882	Nylon Wrapping Tube .882 Token	54.30
80-1202-900	94-97900	Nylon Wrapping Tube .900 Token	54.30
80-0063-99-101	99-101	Crank Handle	41.60

CURRENCY BANDS

PÄP-R Products

- Great for locations that count large amounts of dollars
- Pressure sensitive adhesive
- Minimum order 1,000
- 20,000 per case

Part Number		Per 1K	Case
27-1021-00	Currency Bands – $50 Imprint	4.60	4.05
27-1022-00	Currency Bands – $100 Imprint	4.60	4.05
27-1023-00	Currency Bands – $500 Imprint	4.40	3.85

COIN WRAPPERS

- Top quality weather proof paper
- Tubular wrapper open with ease
- For that extra touch, imprint your name on the wrappers. No question whose money it is.
- Minimum order one box of 1,000

PÄP-R Products

Part Number	Coin	Capacity	Case Qty	Per 1K	Case	L/5 Case
27-1155-00	1¢	$ .50	20k	4.05	3.95	—
27-1231-00	5¢	$1.00	30k	4.05	3.95	—
27-1046-00	5¢	$2.00	20k	4.05	3.95	—
27-1045-00	10¢	$5.00	20k	4.05	3.95	—
27-1230-00	25¢	$5.00	24k	4.05	3.95	—
27-1020-00	25¢	$10.00	16k	3.85	3.75	3.55
27-1019-XXXX	25¢	$10.00	16k	—	4.90	4.70
Imprinted						
27-1229-00	50¢	$10.00	12k	4.05	3.95	—
27-1351-00	$1.00	$25.00	20k	4.65	4.45	—

COIN STACKER TUBE

- Heavy duty, color-coded coin tubes counts and wraps coins in a hurry
- Hand held
- Simply add coins to fill line
- 5¢, 10¢ and 25¢ stackers sold separately

Part Number		Color	Price per ea.	L/10
27-1043-05	Coin Stacker Tube – 5¢	Blue	2.00	1.85
27-1043-10	Coin Stacker Tube – 10¢	Green	2.00	1.85
27-1043-25	Coin Stacker Tube – 25¢	Orange	2.00	1.85
27-1043-100	Coin Stacker Tube – $1.00	Gray	2.00	1.85

BRASS TOKENS

- Use tokens to free up cash
- Reduce theft
- Material: golden brass
- Available in four popular sizes
- Minimum order 100 pieces

Part Number	Size	Price per ea.	L/500	L/1,000
42-8011-00	.800 x .075	.20	.20	.19
42-0731-00	.882 x .070	.17	.17	.16
42-0700-00	.900 x .070	.17	.17	.16
42-0701-00	.984 x .060	.17	.17	.16
42-0701-01	1.00 x .060	.17	.17	.16

CASHSCAN MSB-30 BANK NOTE COUNTER

- Variable speed preset and variable batch dual display
- Super light weight
- Three counting speeds
- Built-in self-diagnosis
- Note thickness adjustment
- Auto Density adjustment
- Dual display
- Error display
- Selection of preset or variable counting
- Counting speed: 1,500/1,200/900 notes per minute
- Available with magnetic counterfeit detection
- Hopper capacity: 300 notes
- Stacker capacity: 200 notes
- Note size range: 500mm x 100mm to 100mm x 190mm
- Dimensions: 10.23" W x 9.25" H x 8.74" D
- Weight: 10.47 lbs.

Part Number		Price per ea.
80-1112-10	Cashscan MSB-30 w/o Counterfeit Detect.	795.00
80-1112-20	Cashscan MSB-30 w/ Counterfeit Detect	699.00

MAG II CURRENCY COUNTER

- Outstanding performance at an affordable price
- Compact, durable and easily portable
- Counts up to 1,200 notes per minute
- Variable batch counting
- Automatic start
- Hopper capacity 300 notes, stacker capacity 200 notes
- Dimensions 11"W x 9.45"D x 7.68"H
- Weight 12.4 lbs.

MAG II 20

MAGNER

Part Number		Price per ea.
80-1207-00	Magner Currency Counter - Model 20	640.15

ORANGE WOOD STICK FOR CLEANING

- Used in cleaning slot machine knives, coin comparitors and in cleaning room for board soldering
- Helps remove coins out of card readers and clearing all coin jams
- Safe material for use in ESD sensitive areas; will not melt or deform at high temperatures
- Durable, yet soft enough to not mar delicate components and surfaces
- Comes 100 per pack

Part Number		Price per ea.
92-2037-00	Orange Wood Stick, 100/pack	7.25

MAG II COIN SORTER

- Sorts, counts and accumulates 5 U.S. coins ($.01, $.05, $.10, $.25,and $1.00 SBA)
- Great for low to medium volume jobs
- Processing speed up to 600 coins per minute
- Large inspection tray and hopper capacity
- Large 6 digit LED display
- Automatic motor shut-off
- Counting method: optical sensors
- Sorting method: gravity rail
- Memory: Total value plus individual denomination totals for sub and grand totals
- Dimensions: 19.5"W x 11.25"D x 14.25"H
- Power: 120VAC 60Hz
- Net weight: 46 lbs.

MAGNER

Part Number	Description	Price per ea.
80-1126-00	MAG II Coin Sorter	2,137.85
Accessories	**Description**	**Price per ea.**
80-1136-00	Bagging Attachment	72.35
80-1134-00	Locking Security Stand	536.05
80-1135-00	Machine Stand	480.60
80-1132-00	Shelf	48.15
80-1133-00	Casters (set of 4)	24.10

COLLECTION REPORT BOOK

- Designed for all coin-operated machines
- 3-3/8" x 5"
- 3 sheets per set
- 50 sets per book
- Each set in numerical order
- 100 books per case

Part Number		Price per ea.	L/100
27-1041-00	Collection Report Book	1.90	1.80

COIN BAG ENVIRO SEALS

- Seals money bag to prevent tampering with your money
- Applied with any standard sealing tool
- Minimum order 50
- 250 per case
- Gray serrated cap secures the neck of the bag
- Environmentally safe – replaces lead seals

Part Number		Price per ea.
27-1057-00	Coin Bag Enviro Seals	.30

CLEAR-A-COIN STICK

- Helps clear coin jams
- Made from flexible blue plastic
- 6.5" long X .75" wide
- Can be put on key ring or chain

Part Number		Price per ea.
92-0614-00	Clear-A-Coin Stick	1.30

BANK DEPOSIT BAGS

- Plastic bags primarily used for cash and checks
- Tamper evident adhesive closure
- Sequentially numbered with tear off receipt for easy tracking
- Two color imprint to record content information
- Strong 3 mil clear film
- Available in 2 sizes: 9" X 12" or 12" X 15.5"
- Packed 500 per case
- Sold by the case only

Part Number		Price per case
27-0074-00	9"x12" Bank Deposit Bag	112.20
27-0075-00	12"x15.5" Bank Deposit Bag	160.15

COLLECTION MONEY BAG

- Convenient 11"x 8" size
- 10 oz. Army Duck material double stitched
- Color: Red
- High quality brass zipper on long side of bag

Part Number		Price per ea.	L/12
49-0648-00	Collection Money Bag	5.45	5.05

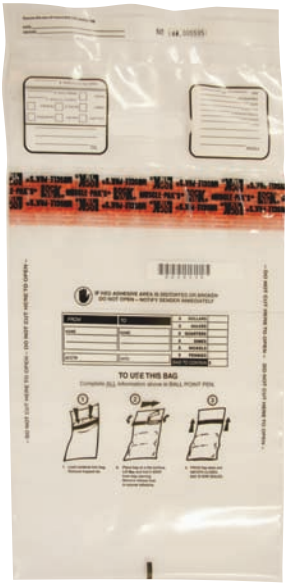
CURRENCY WALLETS

- Five pockets for different currency denominations
- 1" wide belt loops on back
- Heavy-duty 3/4" grommet for chain
- Oversize flap closes securely with hook and loop system
- Choose from two types of material

Part Number		Price per ea.
95-1148-00	Black Neoprene Coated Nylon	30.15
95-1149-00	Black Imperial Nylon	30.15

PLASTIC COIN DEPOSIT BAG

- Plastic bag for loose coin bank deposits
- Super tough 6.5 mils clear film
- Tamper evident adhesive closure
- Dual sequential numbering with barcode tear off receipt for easy tracking
- Two color stock imprint to record content information (a Federal Reserve requirement)
- Easy to use directions with illustrations
- Handy die-cut handle for easy transport
- Made with non-slip film to prevent slipping when stacked
- Available in 2 sizes: 10" X 15" or 12" X 20"
- Sold by the case only, packed 100 per case
- Federal Reserve requirements vary by location; verify this bag meets requirements in your area



Part Number		Price per case
27-0113-00	10"x 15" Plastic Coin Deposit Bag(capacity: 500 quarters)	30.55
27-0112-00	12"x 20" Plastic Coin Deposit Bag(Capacity: 1,000 quarters)	54.05

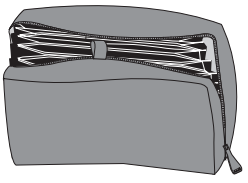
RECTANGULAR FANNY PACK

NEW

- Rectangular shape makes it great for currency
- Four large zippered pockets plus two small zippered side pockets
- Side pockets are great for coins
- Durable 900 denier polyester with PVC backed water resistant fabric
- Belt adjusts up to 55" waist
- Size: 9" x 5.25" x 1.25"
- 5-year manufacturer limited warranty
- Color: Black

Part Number		Price per ea.
95-2096-10	Rectangular Fanny Pack	20.35

NYLON POUCH WALLET



- Great for handling money or for service technicians
- Ideal for casino jackpot slips, money, rolls of coins, small tools, etc.
- Constructed of heavy-duty black imperial nylon
- Two extra large 4" belt loops on back for high security
- Five interior pockets for separation of items
- "Quick Close" with hook and loop system
- High security closure with full zipper
- Size: 8" wide x 4" high; depth 2.5" to 3.5"

Part Number		Price per ea.
80-1186-00	Nylon Pouch Wallet	36.95

DELUXE NYLON CURRENCY POUCH

- Ideal for casino jackpot slips, bills, rolls of coins, small tools, etc.
- Constructed of heavy-duty black imperial nylon
- Extra large 3-1/2" belt loop
- Six interior divider pockets ideal for separating bills
- Front and middle zipper storage compartments
- Plastic front see-through pocket
- Size: 4" D x 10" W x 5" H

Part Number		Price per ea.
80-1186-20	Deluxe Nylon Currency Pouch	49.95

VALIDATOR LABEL SETS

- Bright yellow label with black printing
- Laminated for durability and longevity
- Arrows attract attention to where money is to be inserted into validator
- Interior labels used to identify bill denominations accepted
- For use on either Stackerless, Upstacker, or Downstacker applications as noted

49-0800-00

49-0800-10

49-0800-20

49-0800-30

Part Number		Price per ea.	L/100
49-0800-00	Validator Label Set for MEI Series 2000 (Upstacker & Downstacker)	1.85	1.40
49-0800-10	Validator Label Set for MEI AL, GL and LE Series (Stackerless, Upstacker & Downstacker)	1.85	1.40
49-0800-20	Validator Label Set for CashCode Stackerless	1.85	1.40
49-0800-30	Validator Label Set for CashCode "UNV" Universal Stacker (Upstacker & Downstacker)	1.85	1.40

VALIDATOR LABEL SET

- Attaches to top of bill entry chute on validator – makes it easy to see
- Black print on bright yellow background
- Adhesive backed
- Size: 2.75" x .75"
- Complete set of all labels shown at right

Part Number		Price per ea.	L/25
42-0548-00	Validator Label Set	2.50	2.15

COIN DOOR LABELS

- Complete set of all labels shown
- Adhesive backed
- Black print on gold metallic background
- Size: 1" x 3"

Part Number		Price per ea.	L/25
42-0305-00	Coin Door Label Sets	2.50	2.35

TICKET DISPENSER LABEL SET

- Great way to attract attention to ticket dispensing machines
- Simply peel off and stick on
- Black printing on bright yellow background
- Durable polystyrene material adhesive backed
- Size: 5.5" x 4"
- Complete set of 3 decals: "Tickets", "Tickets with Arrow", and "For Amusement Only"

Part Number		Price per ea.	L/25
42-1378-00	Ticket Dispenser Label Set	2.10	1.90

CT3 COIN CHANGER & BILL VALIDATOR TESTER

NEW

- The CT3 allows the test and repair of most coin changers, bill acceptors and even cashless systems on the market
- Advanced features such as the capability of testing coin changers having up to 7 tubes of change as well as a vend simulator with three programmable selections
- Pays for itself within a short time

- The CT3 can test Single Price 120V coin changers, Logic 24V and 117V with 12 or 15 pins, MDB coin changers and bill acceptors
- Features including Multimode coin changer and bill validator tester, exclusive SSPS (SEM Short Protection System), Auto-Test function and a serial printer output
- Auto Test feature takes you step-by-step through the testing process
- S.E.M. Short Protection System electronically detects power surges thereby reducing the risk of damage to the item and the tester.

The CT3 Vending Tester PRO can test the followin type of equipment:

S.E.M. inc.

- Single Price 120 volts coin Changer
- Logic (Dumb) 12 pins 117 VDC Coin Changer
- Logic 12 pins 24 VDC Coin Changer
- Logic 15 pins 24 VDC Coin Changer
- MDB Coin Changer with up to 7 tubes
- MDB Bill Acceptor

Part Number		Price per ea.
92-2322-00	CT3 Coin Changer & Bill Validator Tester	876.36
92-0340-00	Changer Stand	100.40
92-0339-00	External Bill Validator Module (EBVM) For Pulse Type Bill Validators	139.40

"TOKEN ONLY" LABEL

- Pressure sensitive adhesive
- Black on bright red
- Size: 4" x 1-1/4"

Part Number		Price per ea.	L/100
42-7018-00	"Token Only" Label	.30	.25

"NO REFUND" LABEL

- Bright red on white background
- Size: 3" x 4-5/8"

Part Number		Price per ea.	L/50
49-0656-00	"No Refund" Label	.79	.66

BILL VALIDATOR LABEL

- Accepts $1 and $5 Bills
- Use on Rainbow crane games and others
- White print on clear mylar label with adhesive backing
- Size: 3-1/4" x 4-1/4"

Part Number		Price per ea.
42-7191-00	Bill Validator Label	3.15

"AMUSEMENT ONLY" WARNING LABEL

- Black text on bright yellow
- Laminated coating for easy cleaning
- Size: 2" x 7-1/2"

Part Number		Price per ea.	L/100
49-0662-00	"Must be 18 Years Old" Label	.91	.79
49-0665-00	"Must be 21 Years Old" Label	.91	.79

"OUT OF ORDER" LABEL

- Black on orange
- Size: 1-1/2" x 2"
- Special adhesive for easy removal after service is completed

Part Number		Price per ea.	L/100
42-7017-00	"Out of Order" Label	.30	.25

"FOR SERVICE CALL" LABEL

- Your name and address in up to 4 lines of copy
- To order specify copy as you wish it to appear
- Pressure sensitive adhesive backing
- Color: black on silver
- Size: 2" x 3"
- Minimum order: 250

Part Number		Price per ea.	L/250
49-0643-XXX	"For Service Call" Personalized Labels		1.90

PAY PER PLAY LABELS

- Ideal for video games, pool tables or any other coin-operated application
- Size: 1-1/8"H x 3-3/8"W
- Bright yellow label with black printing
- Full roll = 500 labels

95-0723-1T

95-0723-1Q

Part Number		Price per ea.	L/100
95-0723-1T	1 Token 1 Play	.38	.30
95-0723-2T	2 Token 1 Play	.38	.30
95-0723-3T	3 Token 1 Play	.38	.30
95-0723-4T	4 Token 1 Play	.38	.30
95-0723-5T	5 Token 1 Play	.38	.30
95-0723-6T	6 Token 1 Play	.38	.30
95-0723-1Q	Quarters Only $.25 1 Play	.38	.30
95-0723-2Q	Quarters Only $.50 1 Play	.38	.30
95-0723-3Q	Quarters Only $.75 1 Play	.38	.30
95-0723-4Q	Quarters Only $1.00 1 Play	.38	.30
95-0723-5Q	Quarters Only $1.25 1 Play	.38	.30
95-0723-6Q	Quarters Only $1.50 1 Play	.38	.30

PRESSURE SENSITIVE PRICE LABELS

- 9 /16" x 7 /8", Black on White,
- 500 per roll, sold each
- Minimum order quantity- 10

Part Number		Price per ea.	L/10	L/50
27-1283-00	50 cents		.25	.20
27-1284-00	55 cents		.25	.20
27-1285-00	60 cents		.25	.20
27-1286-00	65 cents		.25	.20
27-1287-00	70 cents		.25	.20
27-1288-00	75 cents		.25	.20

PRESSURE SENSITIVE LABELS

- 1-3 /4" x 3-1 /2"
- Black on Silver
- Minimum order quantity- 10

Part Number		L/10	L/50
49-0645-00	50 cents	.61	.48
49-0647-00	60 cents	.61	.48

PRESSURE SENSITIVE PRICE LABELS

- 1" x 1-1 /2"
- Black on Silver
- Minimum order quantity- 10

Part Number		L/10	L/50
27-1115-00	25 cents	.22	.20
27-1114-00	50 cents	.22	.20
27-1113-00	75 cents	.22	.20
27-1117-00	1 dollar	.22	.20
27-1183-00	$1.25	.22	.20

"PRICE INCLUDES" LABEL

- 1-1 /4" x 2"
- Red on White
- Minimum order quantity- 10

Part Number		L/10	L/50
49-0644-00	"Price Includes" Label	.38	.30

COIN REJECT BUTTON INSERT LABELS

- White characters on black background
- Made of Mylar
- 1.05" high x .73" wide x .01" thick
- Minimum order quantity- 10

42-0084-00 42-0085-00 42-0086-00 42-0087-00 42-0107-00 42-0521-00

42-0412-00 42-0433-00 42-0543-00 42-0576-00 42-0461-00

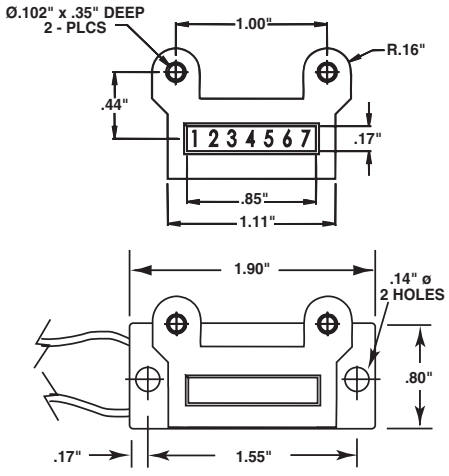
42-0463-00 42-0464-00 42-0591-00 42-0108-00 42-0462-00

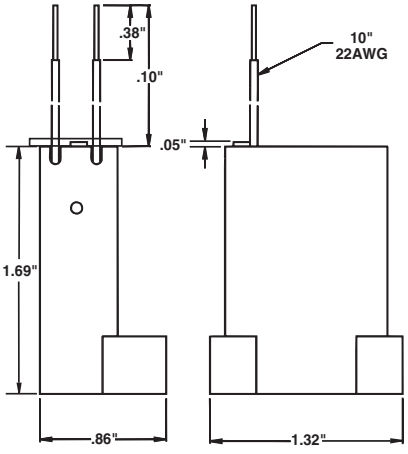
Price per ea.	L/10	L/100
See chart for Part Number Denomination Inserts	.71	.61

Minimum Order Quantity – 10

HAPP 7-DIGIT METER WITH BRACKET

HAPP®



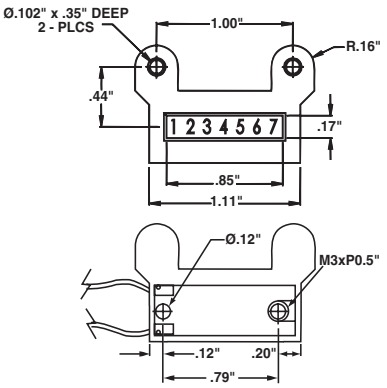


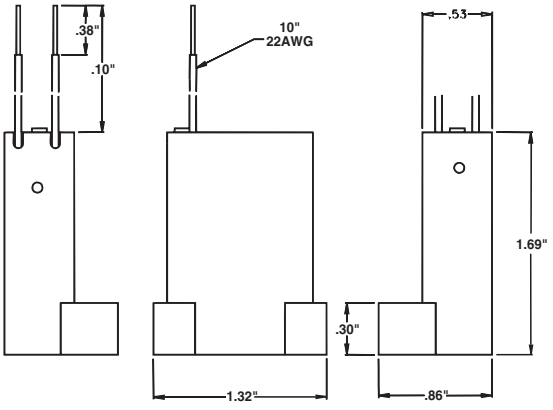
Part Number		Price per ea.	L/100
42-0759-07	6vdc 7-digit Meter w/Bracket	6.85	6.35
42-0754-07	12vdc 7-digit Meter w/Bracket	6.85	6.35
42-0408-00	Bracket for Happ Meter	.92	.82
43-1061-00	Screw M3 x 6	.15	.15

HAPP 7-DIGIT METER

- 7 digit non-resetable
- Low cost, small size
- Internal diode
- Flying leads
- Service life: 1,000,000 cycles
- Magnifying window
- Low power consumption: 1.3 watt
- High speed: 10 counts per second
- High quality – each meter tested at max speed for 5,000 counts before shipment
- Without mounting bracket

HAPP®





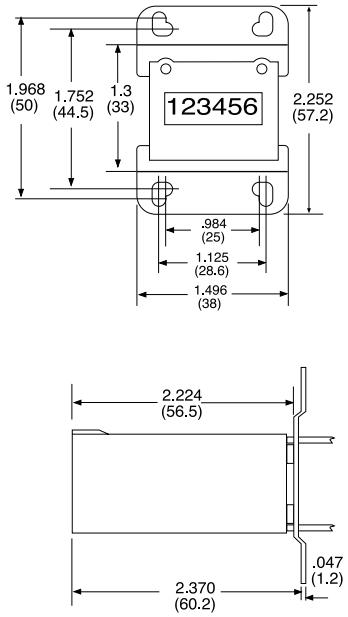
Part Number		Price per ea.	L/100
42-0756-07	6vdc 7-digit Meter (also rated 5vdc)	6.15	5.65
42-0750-07	12vdc 7-digit Meter	6.15	5.65
42-1178-07	24vdc 7-digit Meter	6.15	5.65

KESSLER ELLIS 6-DIGIT METER

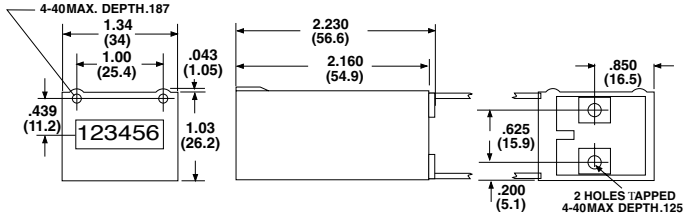
- Electric, non-resettable counter
- 6 digit, counts to 999,999 then repeats
- 600 counts per minute
- With mounting bracket
- With or without diode
- 10" wire leads

KEP

6-DIGIT METER W/BRACKET DIMENSIONS



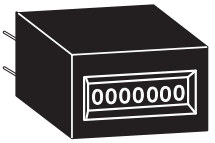
6-DIGIT METER WITHOUT BRACKET DIMENSIONS



Part Number	Voltage	Bracket	Diode	Price per ea.	L/24
42-1168-00	4.5/6 DC	Yes	No	5.55	5.20
42-2093-00	4.5/6 DC	Yes	Yes	6.15	5.85
42-2093-01	4.5/6 DC	No	Yes	6.15	5.85
42-0614-00	12 DC	Yes	Yes	6.15	5.85
42-0092-00	12 DC	Yes	No	5.80	5.45
42-6914-00	12 DC	No	Yes	6.15	5.85
42-1317-00	24 DC	Yes	No	5.80	5.45
42-3140-00	24 AC	Yes	No	6.75	6.45
42-1167-00 (72" Leads)	120 AC	Yes	No	6.75	6.45

KESSLER ELLIS PC BOARD MOUNT 7-DIGIT METER

- Ideal for gaming applications
- 7-digit non-resettable counter
- High speed: 25 counts per second
- PC Board Mount
- Small size
- .022" Pins
- Available in various voltages



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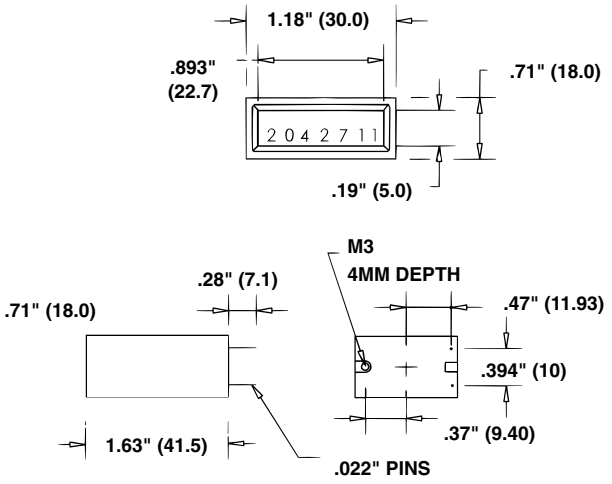
7-DIGIT METER DIMENSIONS



Part Number		Price per ea.	L/100
42-0754-12V	12vdc 7-digit PC Board Mount Meter	9.65	8.95
42-0754-24V	24vdc 7-Digit PC Board Mount Meter	9.65	8.95

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Product Updates!!
HAPP
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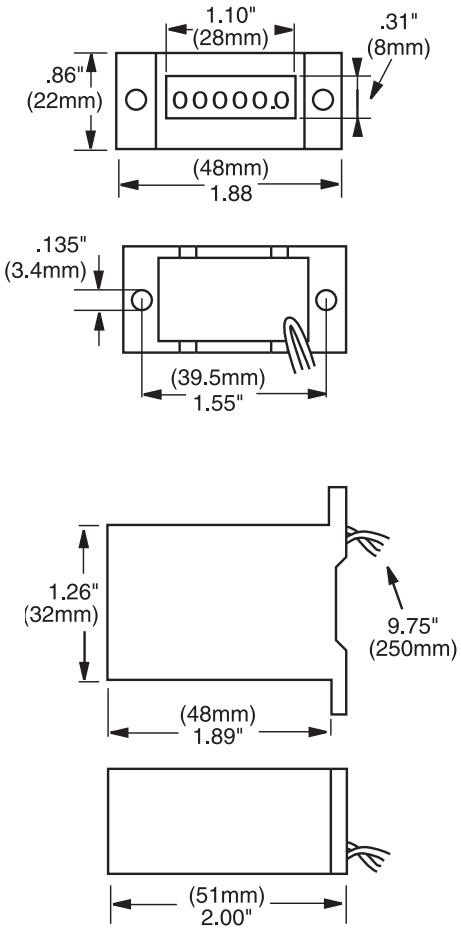
EMIT 6-DIGIT METER

- 6 digit non-resettable
- Service life: 1,000,000 cycles
- High speed: 25 counts per second
- Without diode
- Flying leads

6-DIGIT METER DIMENSIONS

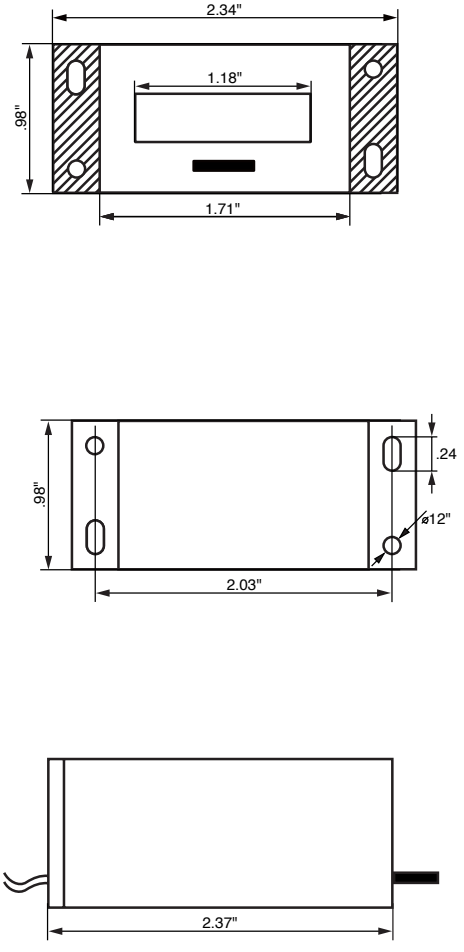


Part Number		Price per ea.	L/100
42-0562-00	6vdc 6-Digit Meter (also rated 5vdc)	7.00	6.45
42-0563-00	12vdc 6-Digit Meter	7.00	6.45

EMIT 5-DIGIT RESETTABLE METER

- 5 digit resettable
- Service life: 1,000,000 cycles
- High speed: 15 counts per second
- Flying leads
- Without diode
- Includes mounting bracket

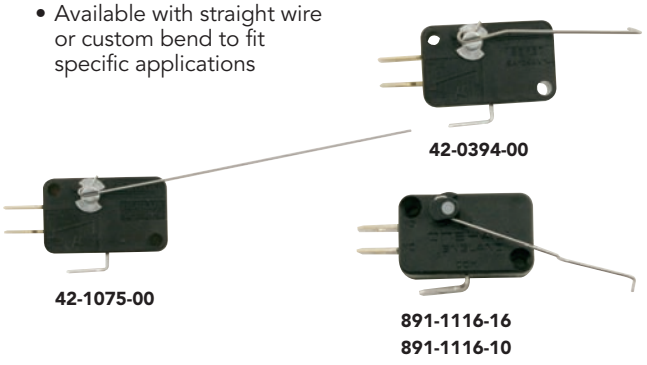
5-DIGIT METER DIMENSIONS



Part Number		Price per ea.	L/100
42-0761-00	6vdc 5-Digit Resettable Meter	15.75	14.55
42-0755-00	12vdc 5-Digit Resettable Meter	15.75	14.55

COIN SWITCHES

- Available with straight wire or custom bend to fit specific applications



Part Number		Price per ea.	L/100
42-1075-00	Coin Switch Assembly w/straight wire	3.40	2.85
42-0394-00	Coin Switch Assembly w/bend for Happ Coin Doors	3.60	3.05
891-1116-10	Coin Controls Coin Switch with Formed Actuator, Red	4.45	3.95
891-1116-16	Coin Controls Coin Switch with Formed Actuator, Black	4.35	3.85
42-0200-00	Straight Wire Only, 3.25"	.23	-
42-7087-00	Coin Switch Assembly Crouzet .250 Terminal	4.30	3.75

REPLACEMENT PARTS FOR WELLS GARDNER/COIN CONTROLS

Part Number	Coin Controls Ref.		Price per ea.
891-1109-16	891-1109-16	Coin Return Flap, Black	2.55
891-1113-01	891-1113-01	Reject Button, Red $0.25 Insert	5.20
891-1116-10	891-1116-10	Coin Controls Coin Switch with Formed Actuator, Red	6.85
891-1116-16	91-1116-16	Coin Controls Coin Switch with Formed Actuator, Black	5.15
891-1117-00	91-0945-00	Lamp Socket	2.45
891-1121-00	————	Spring for Return Bezel	1.25
891-1311-16	891-1311-16	Reject Bezel, Black Nylon	2.15
891-1312-16	891-1312-16	Return Bezel, Black Nylon	2.15
891-2216-03	891-2216-03	Coin Switch with Bracket for DBV Door	21.85
892-1002-04	892-1002-04	Hold Down Bracket for Validator Door	7.50
892-1002-10	892-1002-10	Mech Hold Down Bracket	1.15

REJECT BUTTON ASSEMBLY

- Available in red, blue, yellow, green and amber
- Fits all HAPP doors
- See page 116 for Reject Button Insert Labels

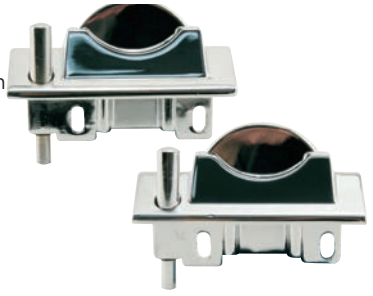
REJECT BUTTON ASSEMBLY

00 = Red w/.25¢ insert
02 = Blue w/.25¢ insert
03 = Green w/.25¢ insert
05 = Yellow w/.25¢ insert
07 = Amber w/.25¢ insert

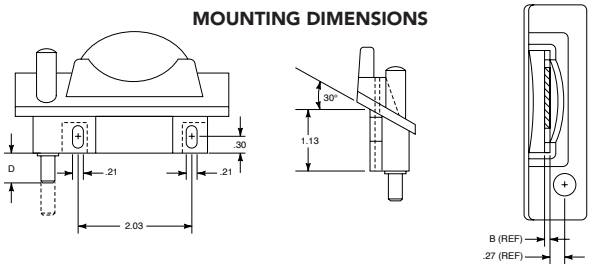
Part Number		Price per ea.	L/100
42-0517-XX	Reject Button Assembly	4.30	3.75

TOP COIN ENTRY

- Heavy-duty chrome-plated die cast construction
- Spring loaded reject button
- Plunger length: .50"



MOUNTING DIMENSIONS



Part Number		Price per ea.	L/25
42-1350-00	With Plunger, D=0.54"	24.10	21.70
42-1351-00	With Plunger, D=1.95"	24.10	21.70

TOP COIN ENTRY SYSTEM

- Innovative design
- Allows flexibility of coin acceptance to be designed within the control panel of the video game for players' convenience
- $.25 US Mech. fitted as standard
- "Universal" mech. holder design. Will fit **all** known 3" x 5" mechanical and electronic acceptors on the market

Part Number		Price per ea.	L/6
40-0350-50	Top Coin Entry System with 0° incline	29.00	27.75

PLASTIC TOP COIN ENTRY

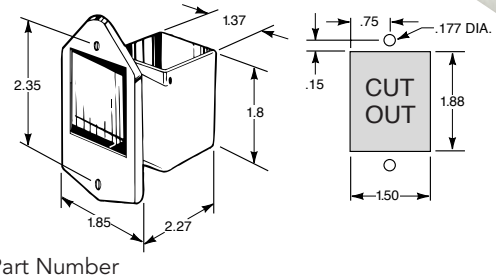
- Durable ABS plastic
- Available with long or short shaft
- Spring loaded reject button
- For use with back channel assembly

Part Number		Price per ea.	L/25
42-0177-00	Plastic Top Coin Entry, Short Shaft	9.70	9.15
42-0176-00	Plastic Top Coin Entry, Long Shaft	9.70	9.15

COIN RETURN CUP

- Heavy-duty chrome or gold plated die cast construction
- Thread size 6-32

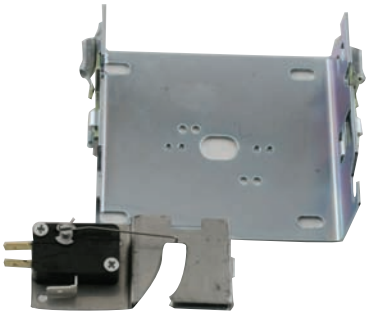
MOUNTING DIMENSIONS



Part Number		Price per ea.	L/25
42-0259-00	Coin Return Cup w/o Door, Chrome	8.55	7.60

BACK CHANNEL ASSEMBLY

- With coin switch
- With 25¢ coin mech
- Mech fitted with custom funnel



Part Number		Price per ea.	L/25
WGD13-5000-10	Back Channel w/o Mech & Lockout	13.05	12.05

PLASTIC BACK CHANNEL ASSEMBLY

- "Universal" mech. holder design. Will fit **all** known 3" x 5" mechanical and electronic acceptors on the market
- Optional lockout coil available
- $.25 US Mech. fitted as standard

Part Number		Price per ea.	L/25
42-1398-00	Plastic Back Channel with Mech.	22.90	21.75

HAPP SELLS BRAND NAME QUALITY

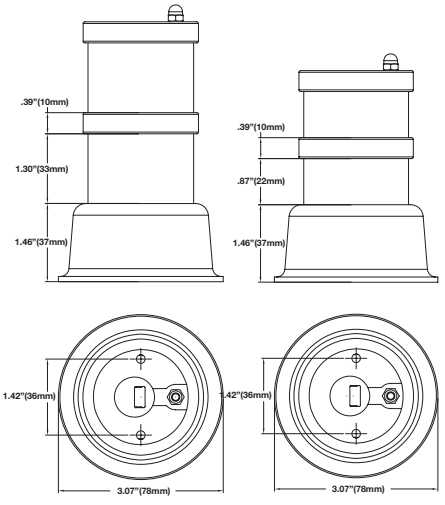
"CLASSIC" TOWER LIGHTS

- Two different lens heights to accommodate your cabinet design
- Standard version is for upright cabinets, Mini for sit down models
- Both Standard and Mini versions available with chrome or gold plating
- Available with one, two or three lights; 6 different colors for various combinations
- Bag containing one of each color (red, orange, yellow, green, blue and white) insert included for each tier
- White shield foil made from special heat resistant Formex material
- Standard Molex plug and harness included
- All "Classic" Tower Lights include UL approved wiring, separate ground strap and 12V – 3W 0.39" (10mm) wedge base lamps

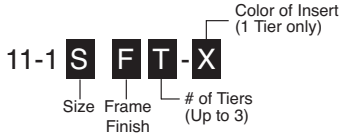
SUZO®

All Classic towerlights are standard including UL approved wiring, seperate ground strap and fitted with 12V - 3W 10mm wedge base lamps. Standard Molex plug & Harness Included

Exploded view two lamps



Design Your Tower Light with the Matrix Below



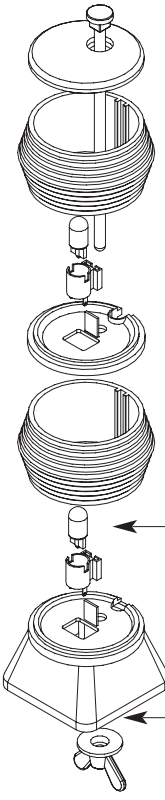
S= Size	F= Frame Finish	T= Tiers
7= Standard	4= Gold	1= One Tier
8= Mini	8= Chrome	2= Two Tiers
		3= Three Tiers

Description	Standard	Price per ea. Mini
1-Tier	12.25	10.95
2-Tier	14.95	18.25
3-Tier	14.95	19.49

"DIAMOND" TOWER LIGHTS

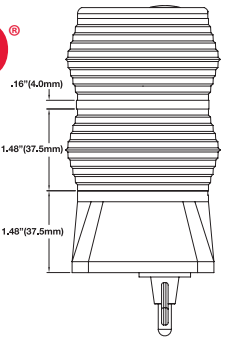
- Available in black, chrome or gold plated frames
- Stylish design
- Standard 0.39" (10mm) wedge base lamp holder for easy replacement
- Available with one, two, three or four lights; 6 different color combinations
- Standard colors: red, orange, yellow, green, blue and white
- Lamps and harnesses not included

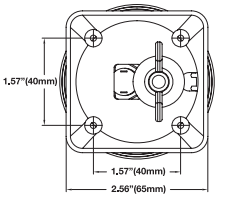
SUZO®



Lamp holder 11-0090

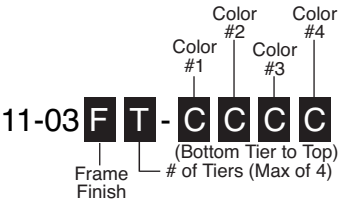
Wing-nut 1060-086-2





Description	Price per ea.
1-Tier	8.95
2-Tier	10.95
3-Tier	12.95

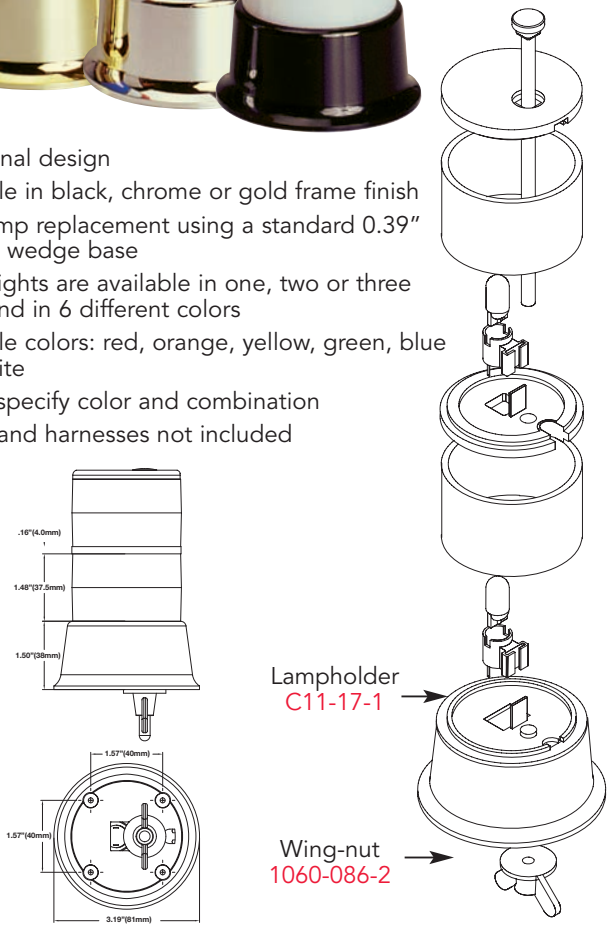
Design Your Tower Light with the Matrix Below



F= Frame Finish	T= Tiers	C= Color
0= Black	1= One Tier	2= Red
4= Gold	2= Two Tiers	3= Orange
8= Chrome	3= Three Tiers	4= Yellow
	4= Four Tiers	5= Green
		6= Blue
		9= White

"CANDLE" TOWER LIGHTS

- Traditional design
- Available in black, chrome or gold frame finish
- Easy lamp replacement using a standard 0.39" (10mm) wedge base
- Tower lights are available in one, two or three lights and in 6 different colors
- Available colors: red, orange, yellow, green, blue and white
- Please specify color and combination
- Lamps and harnesses not included



Design Your Tower Light with the Matrix Below

Color #2 | Color #1 | Color #3

11-04 F T - C C C (Bottom Tier to Top)

Frame Finish | # of Tiers (Max of 3)

C= Color
2= Red
3= Orange
4= Yellow
5= Green
6= Blue
9= White

F= Frame Finish
0= Black
4= Gold
8= Chrome

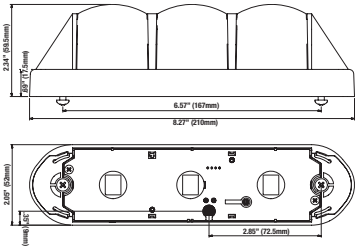
T= Tiers
1= One Tier
2= Two Tiers
3= Three Tiers

Description	Price per ea.
1-Tier	5.95
2-Tier	7.95
3-Tier	8.95

"LIGHT TRAIN" TOWER LIGHTS

This new horizontal tower light is a very unique style for your casino machines.

- Available with 1, 2 or 3 lights
- Frame and blanks in bright chrome or gold finish.
- Standard equipped with 12V 3W wedge base lamps. (SLI)
- Better light-spread due to the use of special heat resistant lamp domes
- Easy to mount; only two screws and additional hole
- Special adaptor available for round top machines (also customized)



Design Your Tower Light with the Matrix Below

Center Color | Left Color | Right Color

11-20 F T - C C C

Frame Finish | # of Tiers (Up to 3)

C= Color
2= Red
3= Orange
4= Yellow
5= Green
6= Blue
9= White
B= Blank

F= Frame Finish
4= Gold
8= Chrome

T= Tiers
1= One Tier (Classic Only)
2= Two Tiers
3= Three Tiers

Description	Price per ea.
1-Tier	13.95
2-Tier	15.95
3-Tier	17.95

LIGHT TRAIN TOWER LIGHT ADAPTOR BRACKET

- Mounts Light Train to round top machines
- Available in black, chrome and gold finish
- Standard supplied in 260° radius
- Custom shapes available upon request

Part Number		Price per ea.
11-0200	Light Train Base Black 260° radius	6.75
11-0200-4	Light Train Base Gold 260° radius	23.50
11-0200-8	Light Train Base Chrome 260° radius	11.80

ATTRACT MORE PLAYERS TO YOUR MACHINES

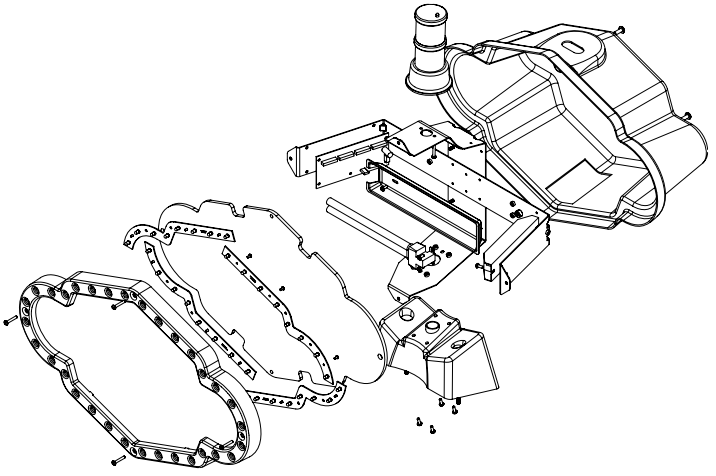
Customized design options available for OEM's

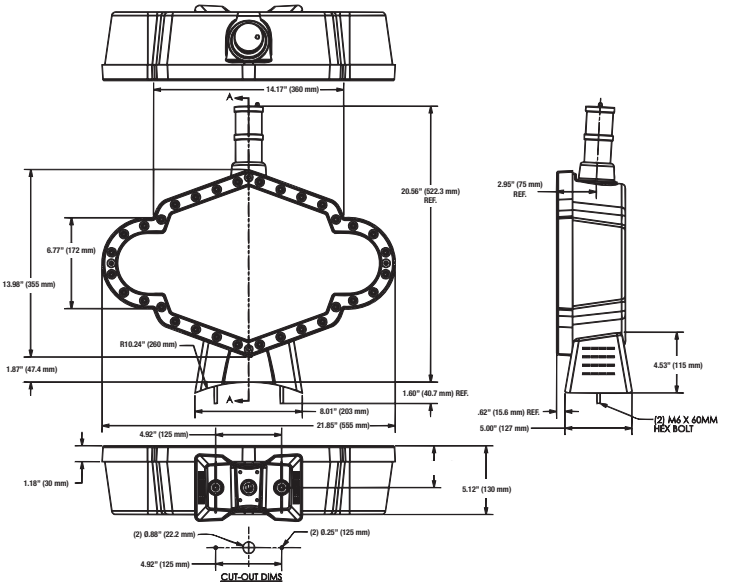
All Parts for Topper Boxes Sold Separately

NEW

"RINGO" MODEL TOPPER BOX

- Made of durable plastics with bright chrome or gold (additional charge) bezel
- Back lighted by 11Watt SL Lamp
- Panels surrounded by 32 bright white LED's
- Artwork panels not included
- Different attract modes including twinkling, full on, rotating left to right and right to left
- Whole unit operates on 12VDC power
- Optional flat or radius mounting brackets with two mounting studs available to accommodate different cabinet configurations
- Body is constructed of black styrene, color customization available
- Optional towerlight
- Artwork not included or available
- Topper base sold separately (see page 127 for bases)
- Optional black plexi panel (Part Number 95-2740-00)
- Optional Gold or Black chrome bezel available



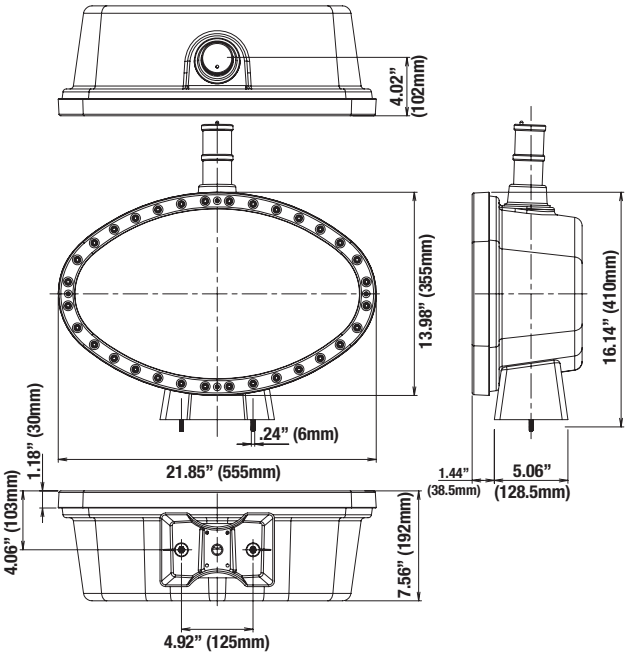


Part Number		Price per ea.	L/25	L/50
104-03890	Ringo Topper, Chrome	295.00	285.00	275.00

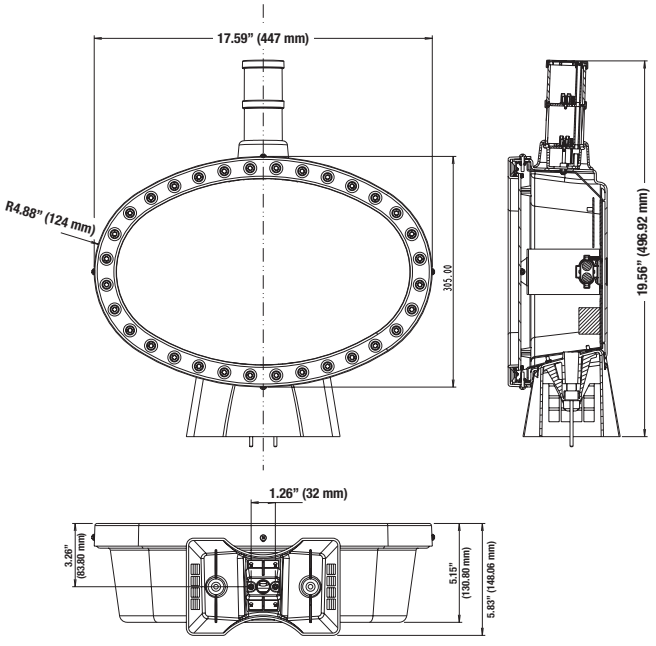
"ELLIPSE" MODEL TOPPER BOX

All Parts for Topper Boxes Sold Separately

ELLIPSE DIMENSIONS



MINI ELLIPSE DIMENSIONS



- Made of durable plastics with bright chrome bezel
- Back lighted by 11Watt SL Lamp
- Panels surrounded by 32 bright white LED's
- Artwork panels not included
- Different attract modes including twinkling, full on, rotating left to right and right to left
- Whole unit operates on 12VDC power
- Optional flat or radius mounting brackets with two mounting studs available to accommodate different cabinet configurations
- Body is constructed of black styrene, color customization available
- Optional tower light
- Artwork not included or available
- Topper base sold separately (see page 127 for bases)
- Optional black plexi panel (Part Number 95-2738-00)
- Optional Gold or Black chrome bezel available

Part Number		Price per ea.	L/25	L/50
104-05890	Ellipse Topper, Chrome	295.00	285.00	275.00
104-06890	Mini Ellipse Topper, Chrome	295.00	285.00	275.00

ELLIPSE TFTOPPER BOX

The World's First Topper with a 15" LCD Screen!

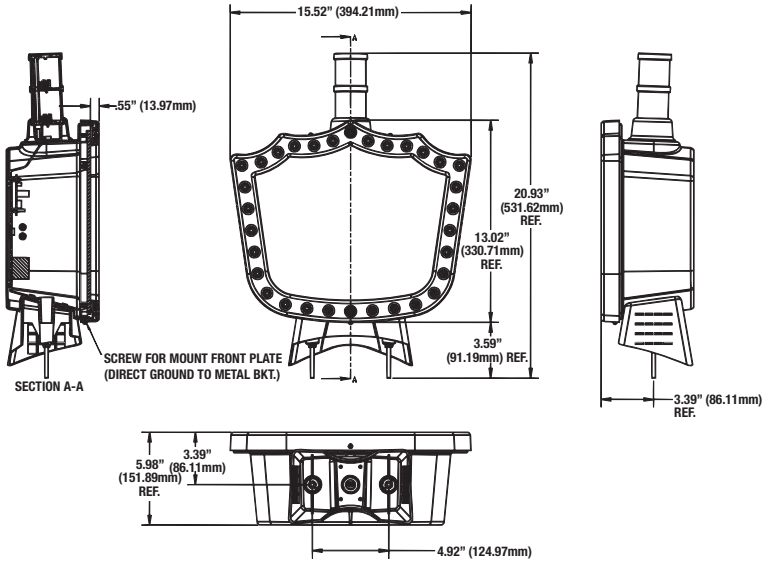
- Features a 15" LCD monitor, media controller board and blank 256MB compact flash card
- Auto play your own MPEG video and stills and/or JPEG pictures copied to compact flash card
- Optional USB Card Reader/Writer (92-2278-00) for easy transfer of media
- Graphic plexi insert gives the LCD an added layer of protection
- Durable plastic construction with bright chrome bezel
- Bezel surrounded by 32 bright white LED's
- Different attract modes including twinkling, full on, rotating left to right and right to left
- Entire unit operates on one 12VDC power supply (80-0414-10 recommended)
- Flat, angled or radius base required for mounting to your cabinet configuration
- Body is constructed of black styrene, color customization available
- Optional tower light sold separately
- Artwork not included or available
- Optional gold or black chrome bezel available at an additional charge

All Parts for Topper Boxes Sold Separately

Part Number		Price per ea.
104-05891	Ellipse TFTopper, Chrome w/128MB Flash Card	879.95

"SHIELD" MODEL TOPPER BOX

- Made of durable plastics with bright chrome or gold (additional charge) bezel
- Back lighted by 11Watt SL Lamp
- Panels surrounded by 32 bright white LED's
- Artwork panels not included or available
- Different attract modes including twinkling, full on, rotating left to right and right to left
- Whole unit operates on 12VDC power
- Optional flat or radius mounting brackets with two mounting studs available to accommodate different cabinet configurations
- Body is constructed of black styrene, color customization available
- Topper base sold separately (see below)
- Optional black plexi panel (Part Number 95-2739-00)
- Optionsl Gold or Black chrome bezel available

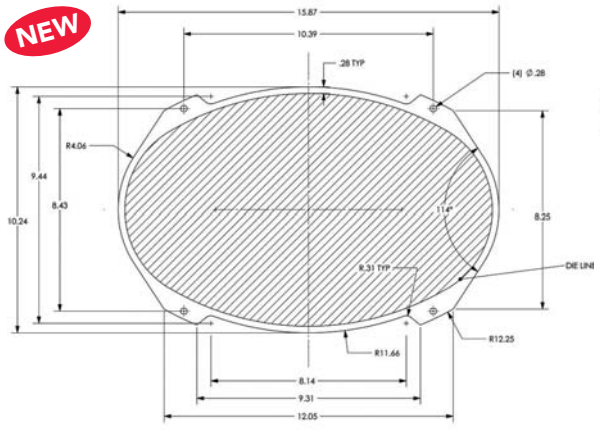


All Parts for Topper Boxes Sold Separately

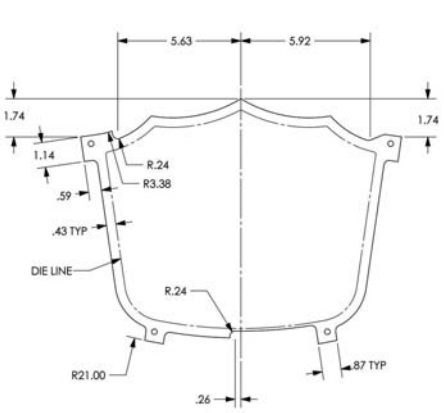
Part Number		Price per ea.	L/25	L/50
104-04890	Shield Topper, Chrome	295.00	285.00	275.00

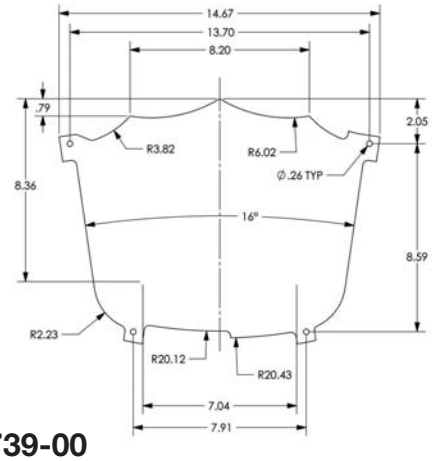
TOPPER BOX PLEXI GLASS

NEW

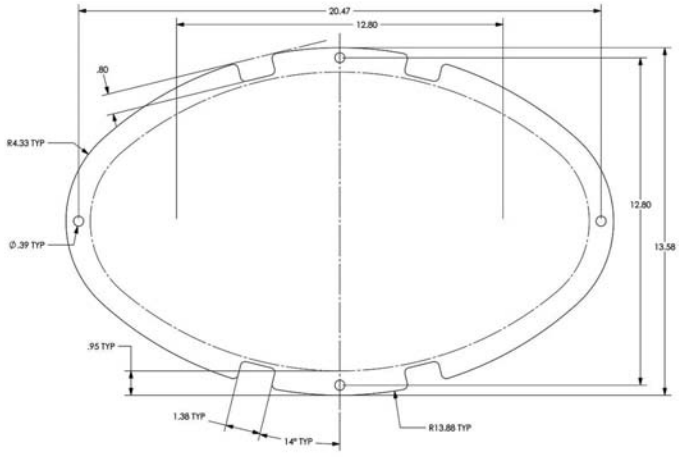


95-2746-00

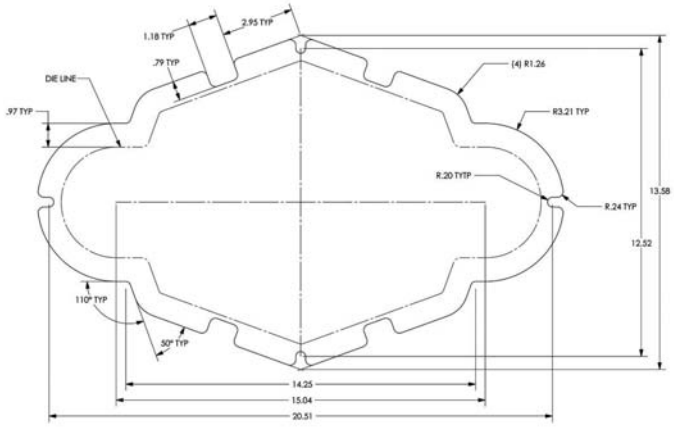




95-2739-00



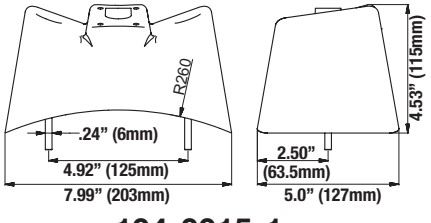
95-2738-00



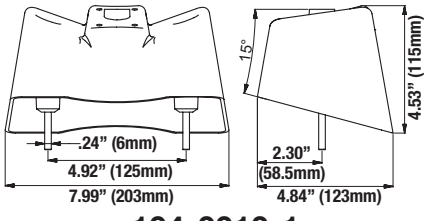
95-2740-00

Part Number		Price per ea.
95-2746-00	Mini Ellipse Blank Plexiglass	15.95
95-2738-00	Ellipse Blank Plexiglass	21.95
95-2739-00	Shield Blank Plexiglass	15.95
95-2740-00	Ringo Blank Plexiglass	21.95

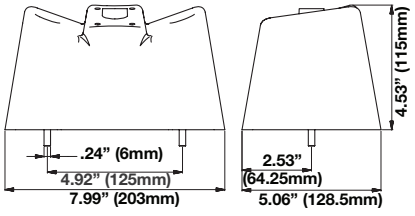
TOPPER BOX BASES



104-0015-1



104-0010-1



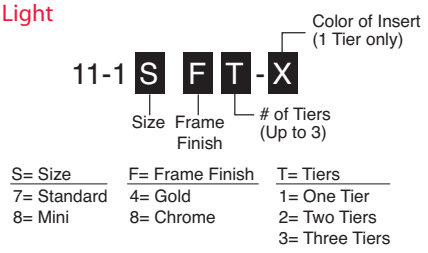
104-0020-1

Part Number		Price per ea.
104-0010-1	Topper Base, 15° Slanting	10.95
104-0015-1	Topper Base, 250° Curved For Round Top	10.95
104-0020-1	Topper Base, Flat	10.95
104-0001	Adaptor Bracket for Tower Light Holes	4.95

TOWER LIGHTS

- Two different lens heights to accommodate your cabinet design
- Standard version is for upright cabinets, Mini for sit down models
- Both Standard and Mini versions available with chrome or gold plating
- Available with two or three lights; 6 different colors for various combinations
- Bag containing one of each color (red, orange, yellow, green, blue and white) insert included for each tier (excluding 1 tier, see color chart below)
- White shield foil made from special heat resistant Formex material
- Standard Molex plug and harness included
- All "Classic" Tower Lights include UL approved wiring, separate ground strap and 12V – 3W 0.39" (10mm) wedge base lamps
- All Classic towerlights are standard including UL approved wiring, seperate ground strap and fitted with 12V - 3W 10mm wedge base lamps.
- Standard Molex plug & Harness Included

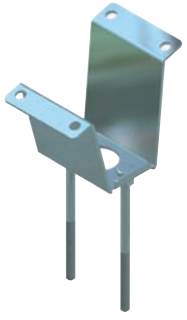
Design Your Tower Light using the Matrix



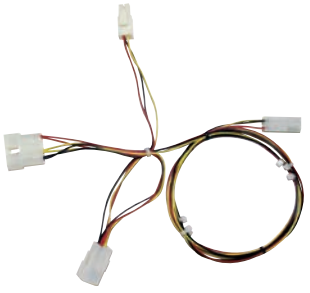
	Classic	Mini Classic
1-Tier	12.25	10.95
2-Tier	14.95	18.25
3-Tier	14.95	19.49

X = Color of Tier
2 = Red
3 = Orange
4 = Yellow
5 = Green
6 = Blue
9 = White

TOPPER BOX ACCESSORIES



104-0001



96-0565-00

80-0414-10

9902-11

Part Number		Price per ea.
104-0001	Tower Light Adapter Bracket	4.95
96-0565-00	Tower Light Adapter Harness	8.20
80-0414-10	12V DC Plug In Power Supply	33.95
9902-11	Replacement Compact Fluorescent Lamp	6.95
96-0769-00	Harness Adapter Kit for Topper Boxes	6.95

96-0769-00

HAPP ILLUMINATED PUSHBUTTON FEATURES

Standard/Combo Buttons

See pages 130-132

Dual & Inclined Buttons

See page 133

Low Profile Buttons

See page 134

Poker VLT Buttons

See pages 135-136

Budget Button Sets

See page 137

All Happ Illuminated Pushbuttons:

- Made with highest quality materials
- Exclusive "Posi-Lock" design assures secure fit
- Fits wood or metal control panels
- Polycarbonate lens cap for optical clarity
- Heat resistant plastic
- Microswitch reliability tested to 10,000,000 cycles
- Custom legend lettering designs and artwork available at nominal charge

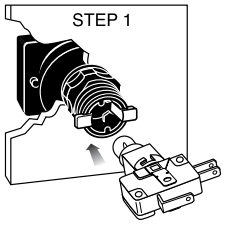
Available Options:

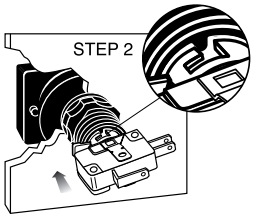
- Long life #658 14 V DC, lamp optional 15,000 hours
- #555 6 V DC, 28 V DC lamps and LED optional
- Chrome or brass plating available on bezel at nominal charge
- Can be used as lighted indicators with optional indicator washer (plunger will not depress)
- Custom printing on legends available at nominal charge
- For illuminated pushbutton accessories, see page 144-145
  - Button Plugs
  - Illuminated pushbutton covers
  - Illuminated pushbutton wrench
  - LED for illuminated pushbuttons

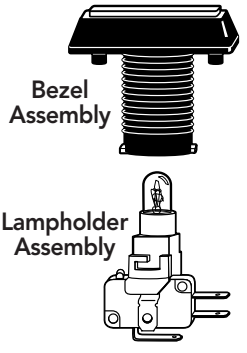
"Posi-Lok" Design for All Happ Budget Button Sets

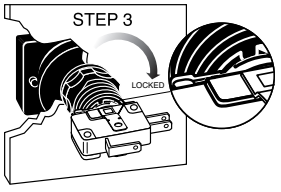
EXCLUSIVE!

Lamp Assembly Installation
Happ has developed the exclusive "Posi-Lok" design to assure a positive fit between the button bezel and the lampholder assembly. Simply insert lampholder assembly into button bezel (step 1), make sure that the notch on the lampholder assembly is aligned with the tab on the bezel assembly (step 2), then twist or turn the lampholder assembly until it locks in place (step 3).



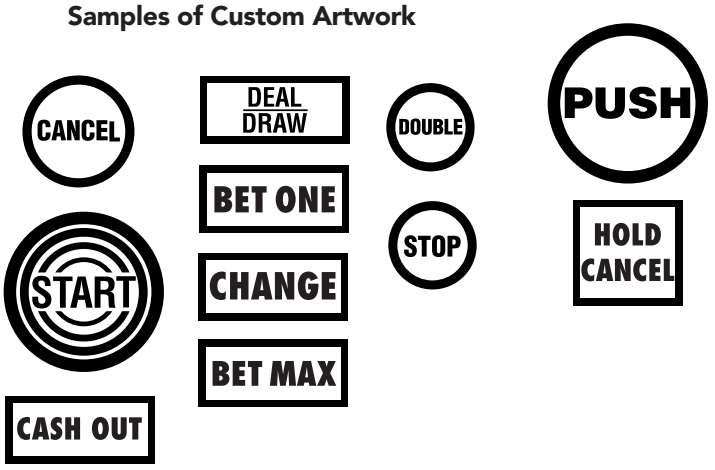


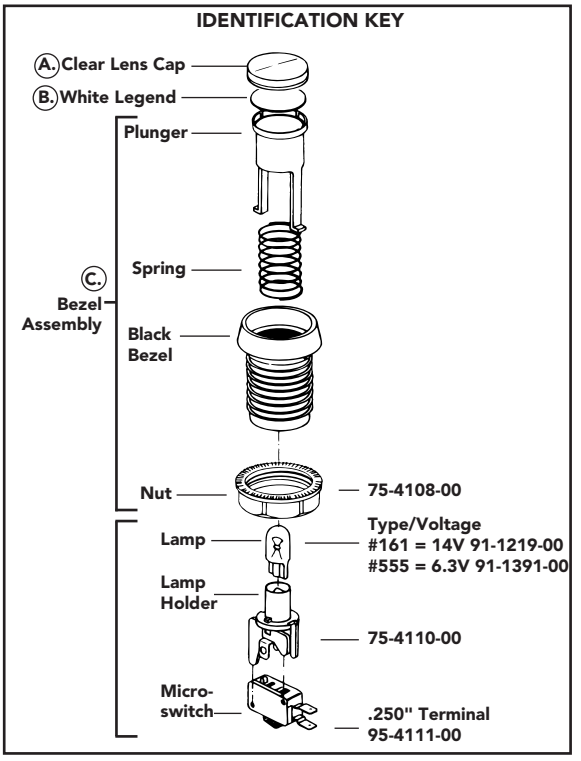




ILLUMINATED PUSHBUTTONS

Samples of Custom Artwork

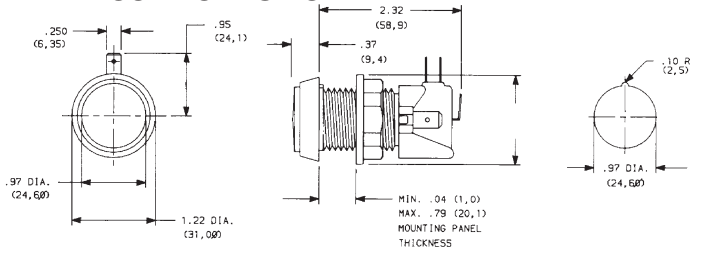




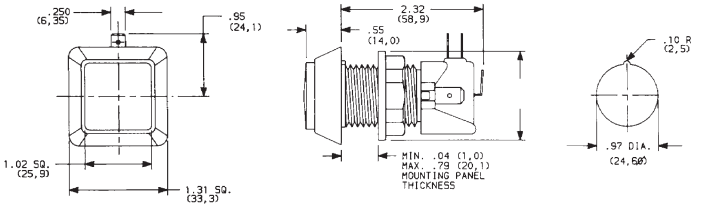
Button Style	A Clear Lens Cap	Price	B White Legend	Price	C Bezel Assy w/o Nut	Price
Small Round	75-4021-38	1.20	75-4022-31	.41	75-0020-00	2.60
Small Square	75-4041-38	1.20	75-4042-31	.41	75-0040-00	2.60
Rectangle	75-4051-38	1.20	75-4052-31	.41	75-0050-00	2.60
Elliptical	59-6010-18	1.20	59-6020-11	.41	59-6100-00	2.60
Medium Round	75-4061-68	1.20	75-4062-61	.41	75-0060-00	2.60
Large Round	75-4011-38	1.20	75-4012-31	.41	75-0010-00	2.60
Large Square	75-4031-38	1.20	75-4032-31	.41	75-0030-00	2.60

ILLUMINATED PUSHBUTTONS

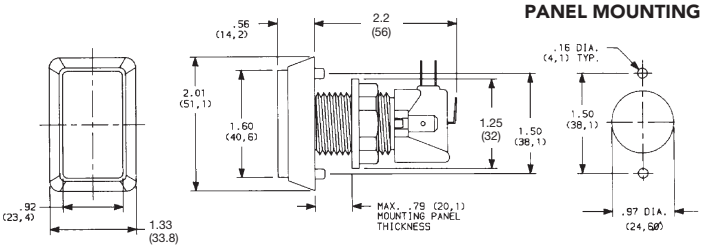
Small Round



Small Square



Rectangle



LEGEND & LENS CAP: X = Color

0 = Red	3 = Green
1 = White*	5 = Yellow
2 = Blue	7 = Amber(Orange)

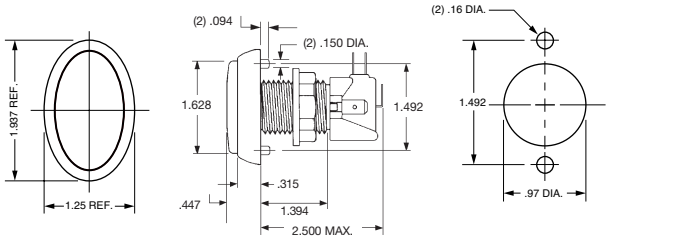
*When ordering a white legend you will receive a clear cap

Part Number		Price per ea.	L/100
D54-0004-2X	Small Round, 14V #161 lamp, .250 micro.	6.60	4.50
D54-0004-4X	Small Square, 14V #161 lamp, .250 micro.	6.20	6.00
D54-0004-5X	Rectangular, 14V #161 lamp, .250 micro.	6.60	6.05

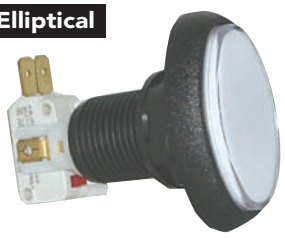
ILLUMINATED PUSHBUTTONS

Elliptical

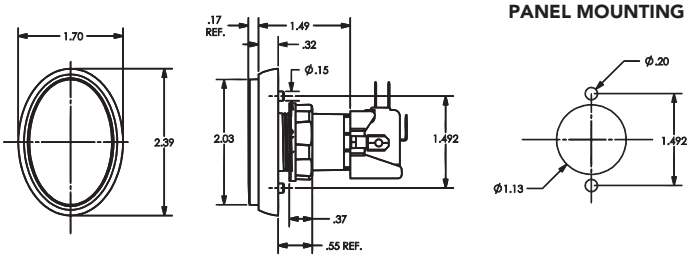
PANEL MOUNTING



Large Elliptical

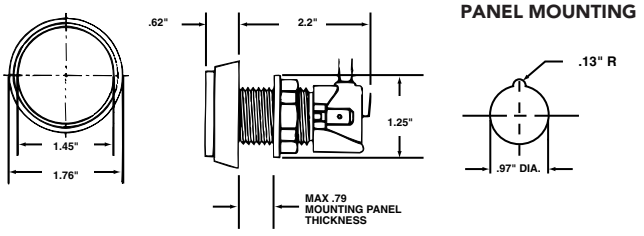


PANEL MOUNTING



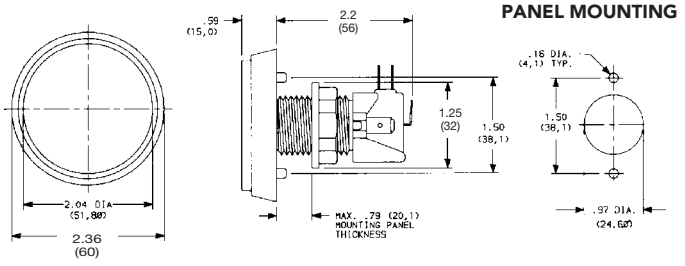
Medium Round

PANEL MOUNTING



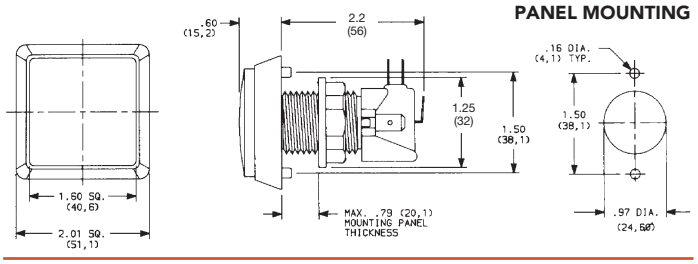
Large Round

PANEL MOUNTING



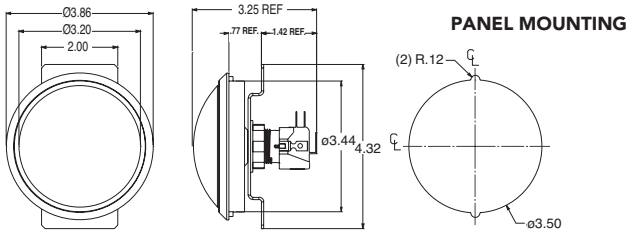
Large Square

PANEL MOUNTING



Jumbo Round

PANEL MOUNTING



LEGEND & LENS CAP*: X = Color

0 = Red	3 = Green
1 = White	5 = Yellow
2 = Blue	7 = Amber(Orange)

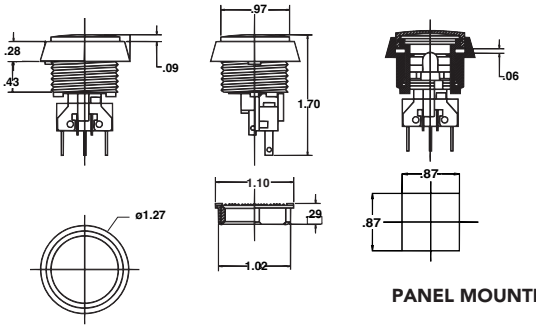
* Jumbo Round Pushbuttons come standard with white legend and cap color denotes overall button color.

Part Number		Price per ea.	L/100
D59-6004-8X	Elliptical, 14V #161 lamp, .250 micro.	7.30	5.90
D59-8004-8X	Large Elliptical, 14V #161 lamp, .250 micro.	9.25	7.95
D54-0004-6X	Medium Round, 14V #161 lamp, .250 micro.	7.15	5.90
D54-0004-1X	Large Round, 14V #161 lamp, .250 micro.	6.05	5.10
D54-0004-3X	Large Square, 14V #161 lamp, .250 micro.	7.15	5.90
95-4002-1XZL	Jumbo Round, 14V #161 Lamp, .250 micro. with locking lampholders (Legends are white only)	8.60	7.35

COMBO ILLUMINATED PUSHBUTTONS

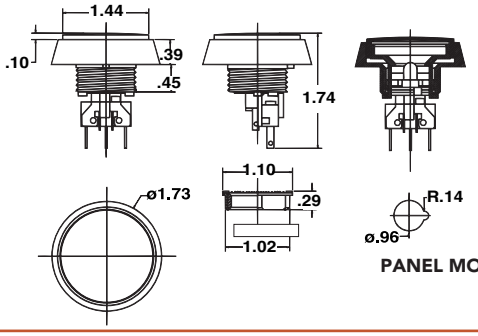
- Standard illuminated pushbutton fitted with a subminiature switch with gold contacts and .110 terminals
- Subminiature switch allows more room under control panel
- Designed to resist spills and sticking
- High reliability and long life, tested to 10,000,000 cycles
- Fitted standard with #73, 14V wedge based lamp
- Fits wood or metal control panels
- Custom printing on legends available at nominal charge
- See page 145 for LED
- Posi lock lampholder

Small Round



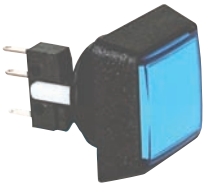
PANEL MOUNTING

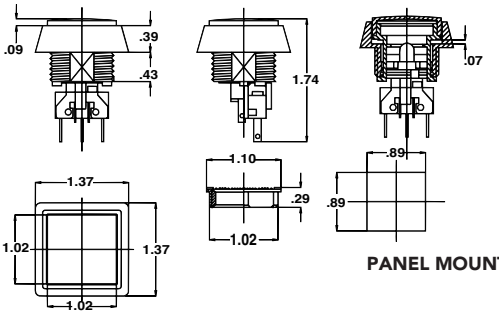
Medium Round



PANEL MOUNTING

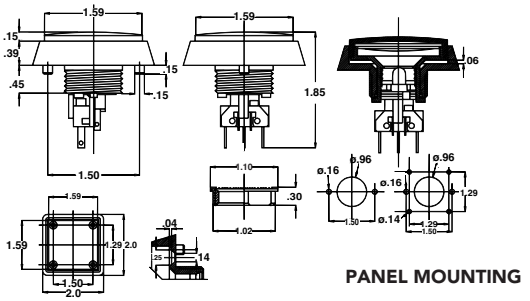
Small Square





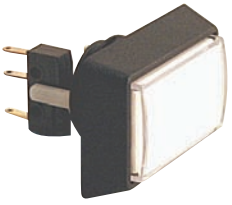
PANEL MOUNTING

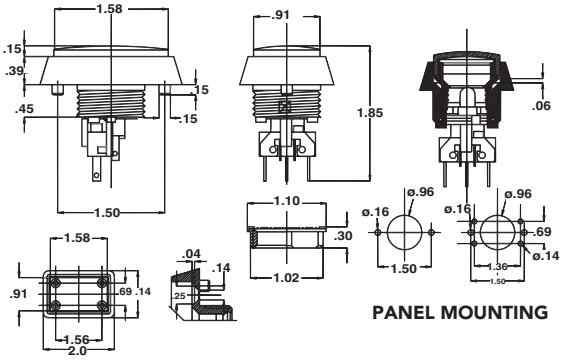
Large Square



PANEL MOUNTING

Rectangle





PANEL MOUNTING

LEGEND & LENS CAP: X = Color

0 = Red	5 = Yellow
1 = White	7 = Amber
2 = Blue	(Orange)
3 = Green	

Part Number		Price per ea.	L/100
75V-0004-2X	Small Round Pushbutton	7.80	7.30
75V-0004-6X	Medium Round Pushbutton	7.80	7.30
75V-0004-4X	Small Square Pushbutton	7.80	7.30
75V-0004-3X	Large Square Pushbutton	7.80	7.30
75V-0004-5X	Rectangle Pushbutton	7.80	7.30

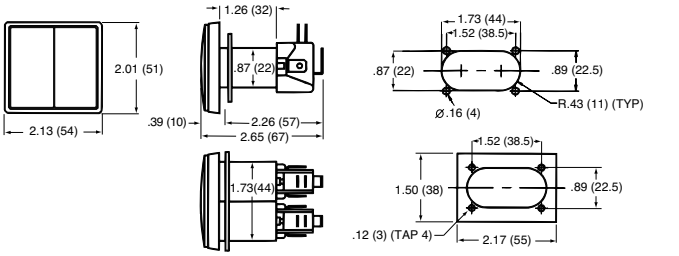
DUAL & INCLINED ILLUMINATED PUSHBUTTONS

Available Options:

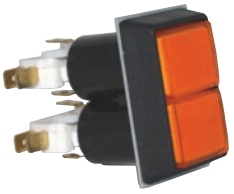
- Unique design to enhance control panel look
- Provides dual function capability in limited space
- Mounting hardware included for Dual Pushbuttons (M-3 Flat Head 1" Screws)
- Fits wood or metal control panels
- Microswitch reliability tested to 10,000,000 cycles
- Fitted as standard with T-3¼ incandescent #161 14v DC bulb
- Custom printing on legends available at nominal charge
- See page 145 for LED

Large Square Standard

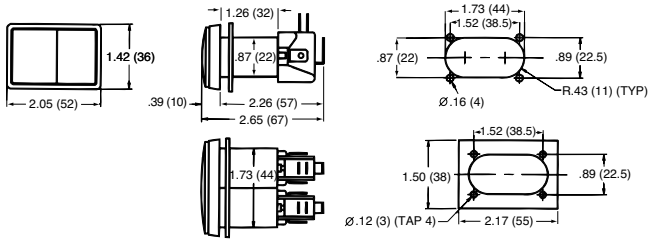
PANEL MOUNTING



Rectangle Standard

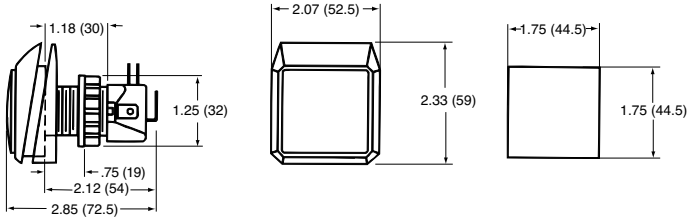


PANEL MOUNTING



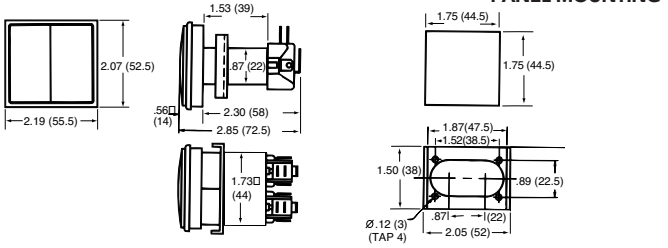
Large Square Inclined

PANEL MOUNTING



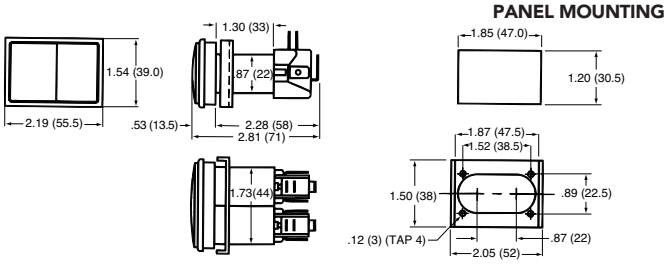
Large Square Low Profile

PANEL MOUNTING



Rectangle Low Profile

PANEL MOUNTING



1st LEGEND COLOR CODE	2nd LEGEND COLOR CODE
X = Color	Y = Color
0 = Red	0 = Red
1 = White	1 = White
2 = Blue	2 = Blue
3 = Green	3 = Green
5 = Yellow	5 = Yellow
7 = Amber (Orange)	7 = Amber (Orange)

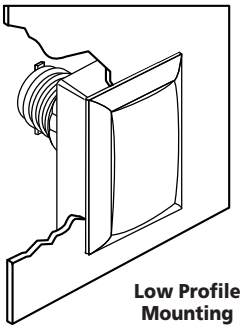
Part Number		Price per ea.	L/100
54-0004-D3XY	Dual IPB, Large Square Standard	12.45	11.20
54-0004-D5XY	Dual IPB, Rectangle Standard	12.45	11.20
57-0004-3XI	Large Square Inclined IPB	7.30	6.60

Part Number		Price per ea
57-0004-D3XY	Dual IPB, Large Square Low Profile	12.45
57-0004-D5XY	Dual IPB, Rectangle Low Profile	12.45

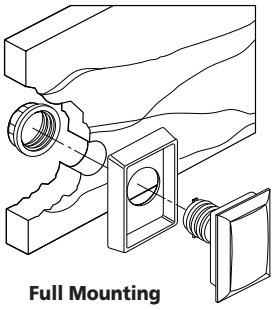
LOW PROFILE ILLUMINATED PUSHBUTTONS

- Unique design provides "flat" profile to enhance playability
- Fits wood or metal control panels
- Microswitch reliability tested to 10,000,000 cycles
- Fitted standard with #161, 14V bulb
- Custom printing on legends available at nominal charge
- Can be used as lighted indicators with optional indicator washer (plunger will not depress)
- See page 145 for LED

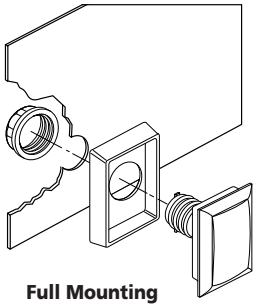
Low Profile Mounting Options



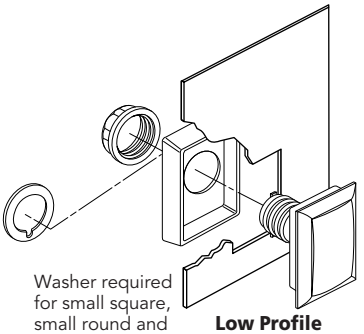
Low Profile Mounting



Full Mounting



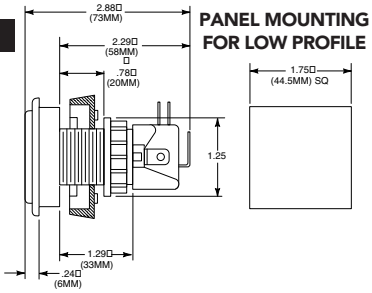
Full Mounting



Washer required for small square, small round and medium round

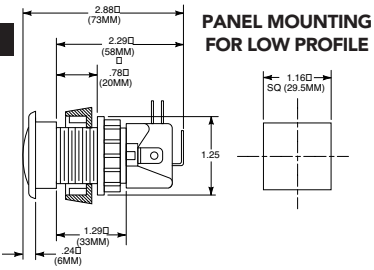
Low Profile Mounting

Large Square



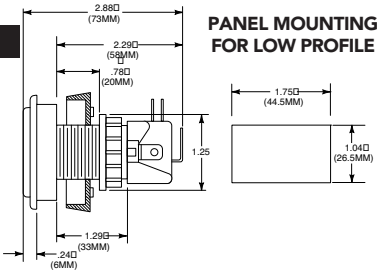
PANEL MOUNTING FOR LOW PROFILE

Small Square



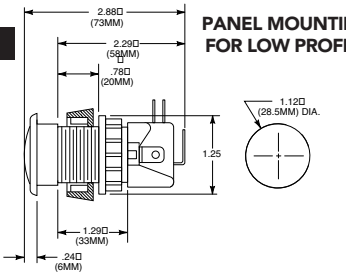
PANEL MOUNTING FOR LOW PROFILE

Rectangular



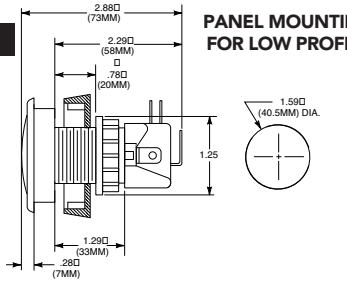
PANEL MOUNTING FOR LOW PROFILE

Small Round



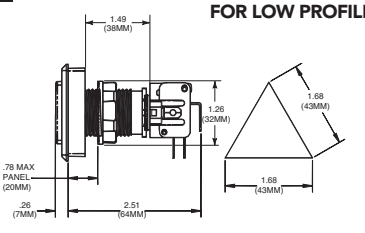
PANEL MOUNTING FOR LOW PROFILE

Medium Round



PANEL MOUNTING FOR LOW PROFILE

Triangle



PANEL MOUNTING FOR LOW PROFILE

LEGEND & LENS CAP: X = Color

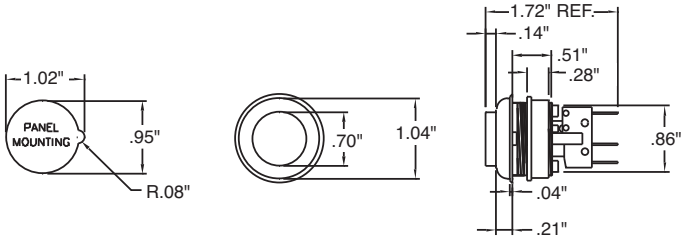
0 = Red	5 = Yellow
1 = White	7 = Amber (Orange)
2 = Blue	
3 = Green	

Part Number		Price per ea.	L/100
57-0004-3X	Large Square Low Profile 14V #161 lamp, .250 micro.	7.30	5.90
57-0004-4X	Small Square Low Profile 14V #161 lamp, .250 micro.	7.30	5.90
57-0004-5X	Rectangular Low Profile 14V #161 lamp, .250 micro.	7.35	5.90
57-0004-2X	Small Round Low Profile 14V #161 lamp, .250 micro.	7.35	5.90
57-0004-6X	Medium Round Low Profile 14V #161 lamp, .250 micro.	7.30	6.60
71-0004-TX	Triangle Low Profile 14V #161 Lamp, .250 micro.	7.30	6.60

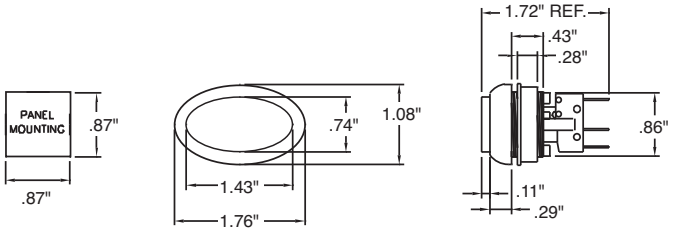
POKER/VLT PUSHBUTTONS

- Designed to retrofit all existing VLT (Video Lottery Terminals) and draw poker applications using .87"/22mm square mounting hole
- Designed to resist spills and sticking
- Designed for high reliability and long life, tested to 10 million+ cycles
- Small size, low profile, provides maximum player comfort
- Unique design, with separable lamp/switch holder, allows easy lamp changing while holding switch very securely
- Full .020"/.5mm Thickness on lamp terminals holds lamp connectors securely
- Contacts for lamp base are two-legged to assure reliable contact with lamp
- .062" ø grounding terminal is optional
- Gold contact subminiature .110 terminals microswitch fitted as standard
- 6.3V, T-1 3/4 wedge base lamp is standard
- 14V, #73 or 28V, #85 lamps optional
- White legend and clear lens cap fitted as standard
- Additional colors of legend and lens cap are available
- Custom legend lettering designs and artwork available at nominal charge
- Translucent color bezel available (57-8000-XX)
- posi-lock lampholder

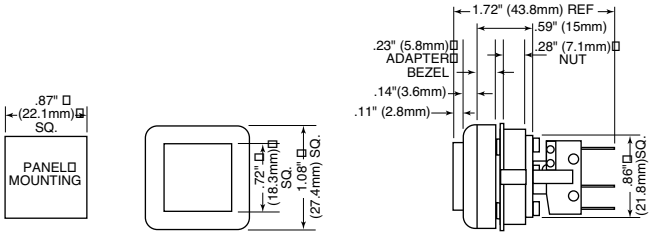
Small Round



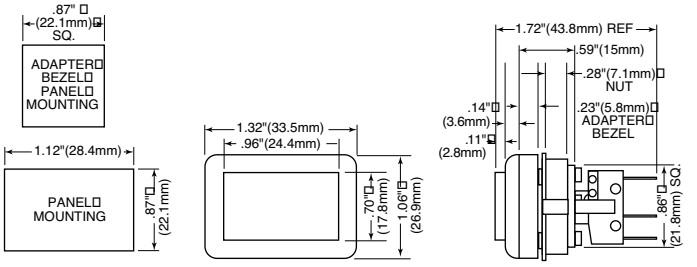
Elliptical



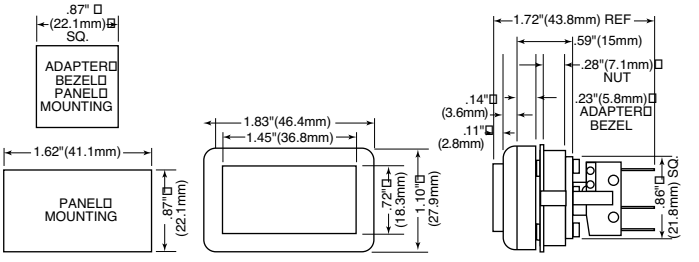
Small Square



Medium Rectangle



Rectangle



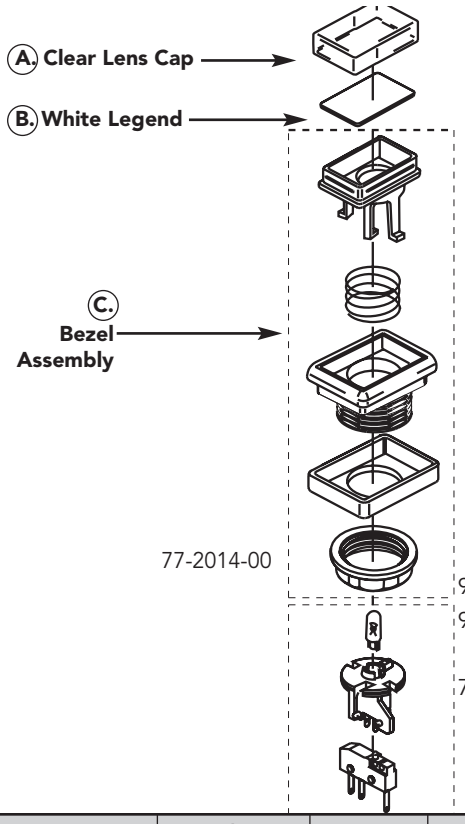
LEGEND & LENS CAP: X = Color

0 = Red	5 = Yellow
1 = White	7 = Amber (Orange)
2 = Blue	
3 = Green	

Part Number		Price per ea.	L/100
77-2000-3X	Small Round VLT Pushbutton	9.85	9.20
77-2000-4X	Small Square VLT Pushbutton	8.95	8.70
77-2000-5X	Rectangular VLT Pushbutton	9.85	9.20
77-2000-6X	Medium Rectangle VLT Pushbutton	9.85	9.20
77-2000-8X	Elliptical VLT Pushbutton	9.85	9.20

See page 145 for LEDs for Pushbuttons.

POKER/VLT PUSHBUTTONS REPLACEMENT PARTS



Small Round

Elliptical

Small Square

Medium Rectangle

Rectangle

Button Style	A Clear Lens Cap	Price	B White Legend	Price	C Bezel Assy w/o Nut	Price
Small Round	77-3310-08	1.05	77-3300-01	.65	77-4700-00	4.10
Elliptical	77-3810-08	1.05	77-3800-01	.65	77-4100-00	4.10
Small Square	77-3410-08	1.05	77-3400-01	.65	77-4400-00	4.10
Medium Rectangle	77-3610-08	1.05	77-3600-01	.65	77-4600-00	4.10
Rectangle	77-3510-08	1.05	77-3500-01	.65	77-4500-00	4.10

Note: Lampholder Assembly includes #86 lamp and yellow CHERRY DA3 switch 95-4118-00

BUTTON PLUGS FOR VLT PUSHBUTTONS

- For use in metal control panels
- Fills in unused button holes
- Two sizes to choose from
- Comes with nut
- Fits in .87" hole

52-6209-00

52-6210-00

Part Number		Price per ea.
52-6209-00	Button Plug, Medium Rectangle for VLT with nut	1.65
52-6210-00	Button Plug, Rectangle VLT with nut	1.65

RAISED BEZEL ILLUMINATED PUSHBUTTONS

- Cut down on unnecessary service calls
- Avoid the accidental triggering of change or other slot service lights
- Innovative raised bezel design with a small square recessed button
- Choose blank white legends, "Service" or "Call Attendant" red legends with white print
- Clear lens caps
- 14V lamps, Standard IPB has .250 switch terminal; VLT has .110 switch terminal
- Standard mounting holes
- Custom versions also available

Small Square IPB
57-1809-00R

Small Square VLT
57-1810-00R

Part Number		Price per ea.
57-1809-20R	Raised Bezel IPB, Red "Service" Legend	6.29
57-1809-10R	Raised Bezel IPB, Red "Call Attendant" Legend	6.29
57-1809-00R	Raised Bezel Small Square IPB, White	5.95
57-1810-20R	Raised Bezel VLT, Red "Service" Legend	6.49
57-1810-10R	Raised Bezel VLT, Red "Call Attendant" Legend	6.49
57-1810-00R	Raised Bezel Small Square VLT, White	6.25

BUDGET POSI-LOK ILLUMINATED BUTTONS

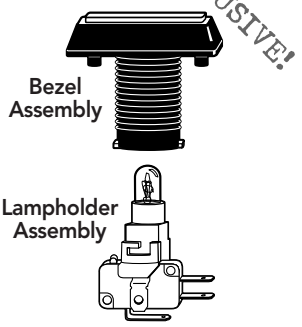
NEW

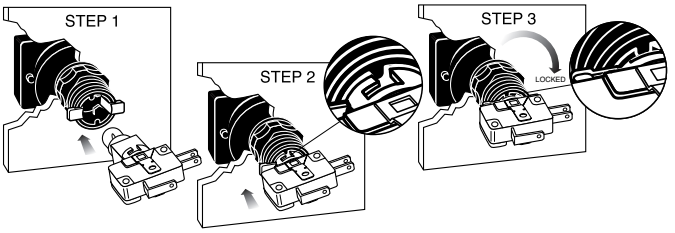
- New Posi-Lok design assures positive fit
- Available in rectangle size only
- Each button ships with printed legend plate installed in button assembly

- .250" terminal microswitch and #161 14vdc T-3-1/4 incandescent lamp assembled into lampholder assembly as standard
- Optional Cherry .250" terminal microswitch available
- Various button sets available, packaged as a set for your convenience

Lamp Assembly Installation
Happ has developed the exclusive "Posi-Lok" design to assure a positive fit between the button bezel and the lampholder assembly. Simply insert lampholder assembly into button bezel (step 1), make sure that the notch on the lampholder assembly is aligned with the tab on the bezel assembly (step 2), then twist or turn the lampholder assembly until it locks in place (step 3).

EXCLUSIVE!





Part Number	Printing	Qty per kit	Color	Price per kit
54L-KIT1-100P BUDGET BUTTON SET #1				**18.00**
54L-0004-517P7Z	"DOUBLE UP"	1	Amber	
54L-0004-510P8Z	"TAKE SCORE"	1	Red	
54L-0004-510P9Z	"BET"	1	Red	
54L-0004-515P3Z	"SMALL"	1	Yellow	
54L-0004-513P5Z	"BIG"	1	Green	
54L-0004-512P1Z	"START"	1	Blue	
54L-KIT2-100P BUDGET BUTTON SET #2				**17.65**
54L-0004-517P7Z	"DOUBLE UP"	1	Amber	
54L-0004-510P8Z	"TAKE SCORE"	1	Red	
54L-0004-510P10Z	"PLAY/CREDIT"	1	Red	
54L-0004-515P3Z	"SMALL"	1	Yellow	
54L-0004-513P5Z	"BIG"	1	Green	
54L-0004-512P1Z	"START"	1	Blue	
54L-KIT3-100Z BUDGET BUTTON SET #3				**18.00**
54L-0004-511P7Z	"DOUBLE UP"	1	White	
54L-0004-511P8 Z	"TAKE SCORE"	1	White	
54L-0004-511P10Z	"PLAY/CREDIT"	1	White	
54L-0004-511P3Z	"SMALL"	1	White	
54L-0004-511P5Z	"BIG"	1	White	
54L-0004-511P1Z	"START"	1	White	
54L-KIT4-100Z BUDGET BUTTON SET #4				**18.00**
54L-0004-510P17Z	"PRESS FOR TICKET"	1	Red	
54L-0004-513P4Z	"TAKE"	1	Green	
54L-0004-510P2Z	"DOUBLE"	1	Red	
54L-0004-515P3Z	"SMALL"	1	Yellow	
54L-0004-510P10Z	"PLAY/CREDIT"	1	Red	
54L-0004-515P18Z	"BIG/STOP"	1	Yellow	
54L-KIT5-100Z BUDGET BUTTON SET #5				**25.70**
54L-0004-518P12Z	"DEAL"	1	White	
54L-0004-510P13Z	"STAND"	1	Red	
54L-0004-515P14Z	"CANCEL"	1	Yellow	
54L-0004-518P15Z	"DISCARD"	5	White	
54L-0004-513P16Z	"DRAW"	1	Green	
54L-0004-515P10Z	"PLAY/CREDIT"	1	Yellow	
54L-KIT6-100Z BUDGET BUTTON SET #6				**26.85**
54L-0004-515P14Z	"CANCEL"	1	Yellow	
54L-0004-510P13Z	"STAND"	1	Red	
54L-0004-513P12Z	"DEAL"	1	Green	
54L-0004-510P10Z	"PLAY/CREDIT"	1	Red	
54L-0004-518P15Z	"DISCARD"	3	White	
54L-0004-518P19Z	"HI/LOW DISCARD/ RECALL"	2	White	
54L-KIT7-100Z BUDGET BUTTON SET #7				**35.75**
54L-0004-518P20Z	"DEAL/DRAW"	1	White	
54L-0004-518P6Z	"PLAY"	1	White	
54L-0004-518P14Z	"CANCEL"	1	White	
54L-0004-518P4Z	"TAKE"	1	White	
54L-0004-518P2Z	"DOUBLE"	1	White	
54L-0004-511P5Z	"BIG"	1	White	
54L-0004-511P3Z	"SMALL"	1	White	
54L-0004-518P15Z	"DISCARD"	5	White	

Part Number	Printing	Color	Price per ea.
54L-0004-510P9Z	"BET"	Red	3.25
54L-0004-513P5Z	"BIG"	Green	3.25
54L-0004-511P5Z	"BIG"	White	3.25
54L-0004-515P18Z	"BIG/STOP"	Yellow	3.25
54L-0004-515P14Z	"CANCEL"	Yellow	3.25
54L-0004-518P14Z	"CANCEL"	White	3.25
54L-0004-512P12Z	"DEAL"	Blue	2.80
54L-0004-513P12Z	"DEAL"	Green	3.25
54L-0004-518P12Z	"DEAL"	White	3.25
54L-0004-518P20Z	"DEAL/DRAW"	White	3.25
54L-0004-518P15Z	"DISCARD"	White	3.25
54L-0004-510P2Z	"DOUBLE"	Red	3.25
54L-0004-518P2Z	"DOUBLE"	White	3.25
54L-0004-513P28Z	"DOUBLE/STOP 1"	Green	2.80
54L-0004-517P7Z	"DOUBLE-UP"	Amber	3.25
54L-0004-511P7Z	"DOUBLE-UP"	White	3.25
54L-0004-513P16Z	"DRAW"	Green	3.25
54L-0004-518P22Z	"EXTRA CARDS/ DISCARD/RECALL"	White	2.80
54L-0004-518P19Z	"HI/LOW DISCARD/ RECALL"	White	3.25
54L-0004-518P6Z	"PLAY"	White	3.25
54L-0004-512P24Z	"PLAY/CHANGE CARD"	Blue	2.80
54L-0004-510P10Z	"PLAY/CREDIT"	Red	3.25
54L-0004-513P10Z	"PLAY/CREDIT"	Green	2.95
54L-0004-515P10Z	"PLAY/CREDIT"	Yellow	3.25
54L-0004-510P17Z	"PRESS FOR TICKET"	Red	3.25
54L-0004-511P11Z	"PRINT TICKET"	White	2.80
54L-0004-515P3Z	"SMALL"	Yellow	3.25
54L-0004-511P3Z	"SMALL"	White	3.25
54L-0004-510P13Z	"STAND"	Red	3.25
54L-0004-512P1Z	"START"	Blue	3.25
54L-0004-511P1Z	"START"	White	3.25
54L-0004-513P4Z	"TAKE"	Green	3.25
54L-0004-518P4Z	"TAKE"	White	3.25
54L-0004-510P23Z	"TAKE HALF/STAND"	Red	2.80
54L-0004-510P8Z	"TAKE SCORE"	Red	3.25
54L-0004-511P8Z	"TAKE SCORE"	White	3.25
54L-0004-517P21Z	"TICKET"	Amber	2.95
54L-0004-518P21Z	"TICKET"	White	3.25

HAPP REPLACEMENT ILLUMINATED BUTTON SETS FOR IGT SLOT MACHINES

- Made with the highest quality materials
- Designed to resist spills and sticking
- Designed for high reliability and long life, tested to 10 million+ cycles
- Unique design with separable lamp/switch holder allows easy lamp changing while holding switch very securely

REPLACEMENT BUTTON SET FOR IGT PE PLUS SLANT TOP SLOT MACHINES

- All buttons have clear caps, white legends and black print, except the "Change" button, which has a red legend and white print
- Fitted with #86 6.3 volt lamp
- Set includes: 5 Rectangular "Hold/Cancel" buttons
  1 Rectangular "Cash Out" button
  1 Rectangular "Bet One Credit" button
  1 Rectangular "Play 5 Credits" button
  1 Rectangular "Deal/Draw" button
  1 Small Square "Change" button

Complete Individual Replacement Buttons:

Part Number		Price per ea.
77-2000-51800006	"Hold/Cancel"	9.40
77-2000-518605	"Cash Out"	9.40
77-2000-518HP610	"Bet One Credit"	9.40
77-2000-518220	'Play 5 Credits"	9.40
77-2000-518B56	"Deal/Draw"	9.40
77-2SP2-408333	"Change"	9.40

Part Number		Price per ea.
77-KIT-100	Complete Button Set for IGT Plus Slant Top Slot Machine	66.30

REPLACEMENT BUTTON SET FOR IGT PE PLUS UPRIGHT SLOT MACHINES

- Small square buttons with clear caps
- All buttons have white legends and black print, except the "Change" button, which has a red legend and white print
- Fitted with #86 6.3 volt lamp
- Set includes: 5 "Hold/Cancel" buttons
  1 "Cash Out" button
  1 "Change" button
  1 "Max Bet" button
  1 "Deal/Draw" button
  1 "Bet One" button

Complete Individual Replacement Buttons:

Part Number		Price per ea.
77-2SP0-418311	"Hold/Cancel"	9.40
77-2SP2-418332	"Cash Out"	9.40
77-2SP2-408333	"Change"	9.40
77-2SP0-418330	"Max Bet"	9.40
77-2SP0-418248	"Deal/Draw"	9.40
77-2SP0-418331	"Bet One"	9.40

Part Number		Price per ea.
77-KIT-200	Complete Button Set for IGT PE Plus Upright Slot Machine	68.30

REPLACEMENT BUTTON SET FOR IGT S PLUS UPRIGHT SLOT MACHINES

- Large and small square buttons with clear caps, white legends and black print
- Fitted with #555 6.3 volt lamp
- Fits IGT S Plus Machines 1995 to present
- Set includes: 1 Large Square "Spin Reels" button
  1 Large Square"Play Max Credits" button
  1 Small Square "Bet One Credit" button
  1 Small Square "Change" button
  1 Small Square "Cash/Credit" button

Complete Individual Replacement Buttons:

Part Number		Price per ea.
75-0006-318HP73	"Spin Reels"	9.45
75-0006-318HP82	"Play Max Credits"	9.40
75-0006-418HP593	"Bet One Credit"	9.40
75-0006-418HP609	"Change"	9.40
75-0006-4181667	"Cash/Credit"	9.40

Part Number		Price per ea.
75-KIT-300	Complete Button Set for IGT S+ Upright Slot Machine	37.80

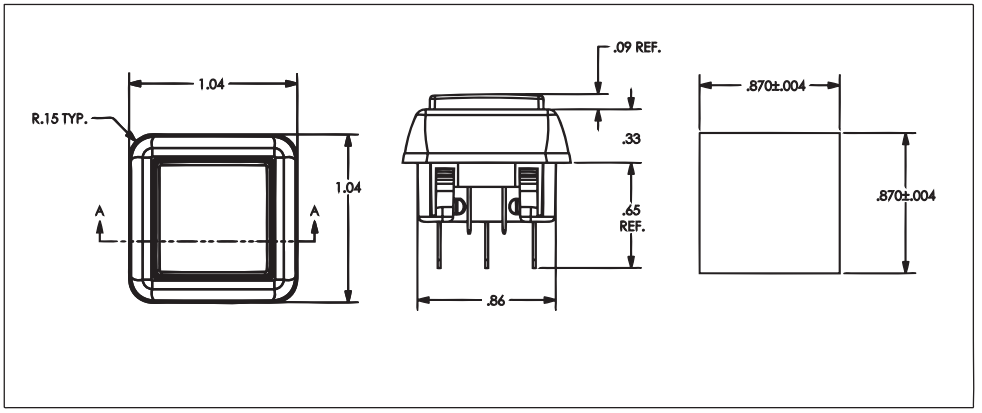
SNAP-TAB ILLUMINATED PUSHBUTTONS AND REMOVAL TOOL

NEW

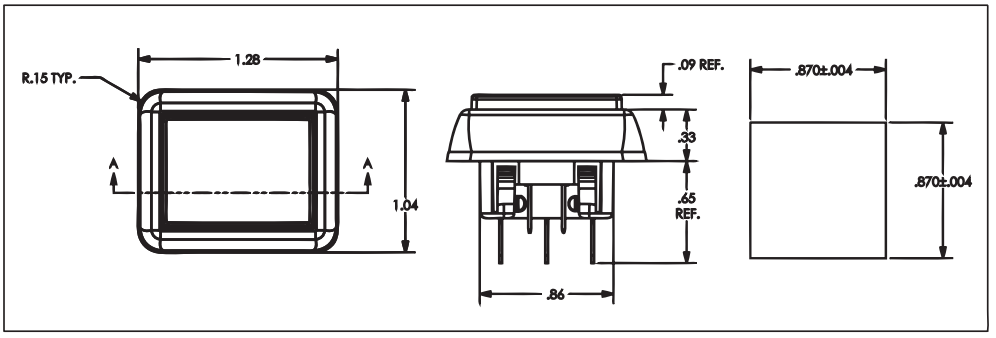
- Replacement buttons for Bally Alpha M9000 Video, S9000 Video and CineVision machines
- Blue halo design in your choice of three sizes
- Features 12V surface mounted white LED's
- Easy installation, quickly snaps to panel
- Removal tool (sold separately) easily removes old and newer style snap-tab buttons

57-1818-02 Shown Illuminated

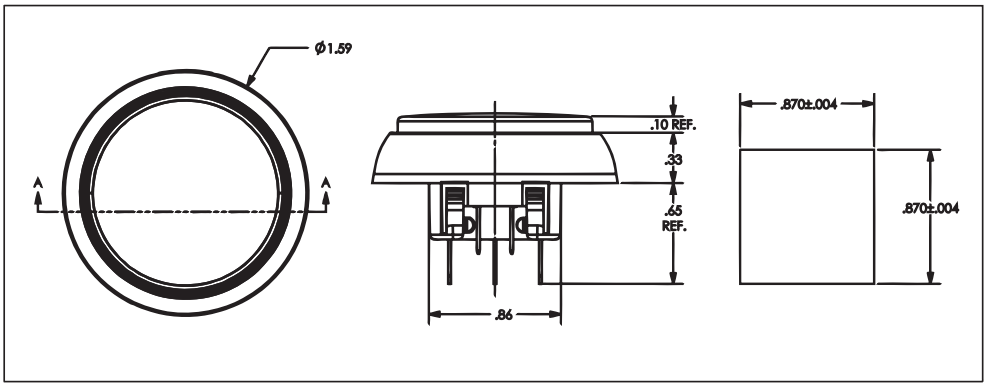
Small Square



Rectangle



Round

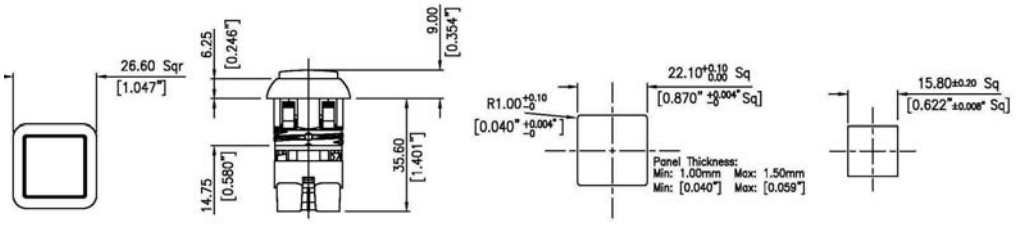


Part Number		Price per ea.
57-1818-02	Snap-Tab Pushbutton, Small Square	11.95
57-1819-02	Snap-Tab Pushbutton, Rectangle	12.75
57-1820-02	Snap-Tab Pushbutton, Round	13.49
96-0840-00	Snap-Tab Pushbutton Removal Tool	19.99

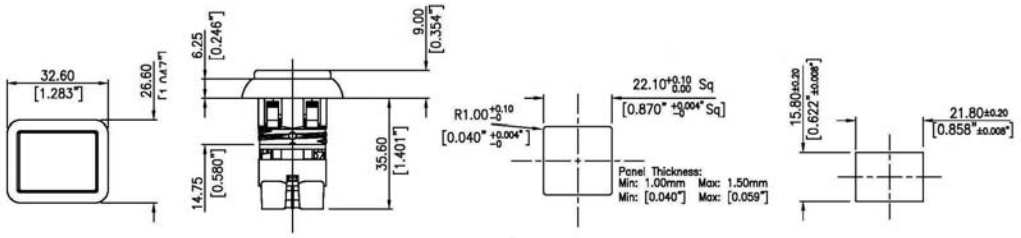
GAMESMAN LED PUSHBUTTONS FOR KONAMI

NEW

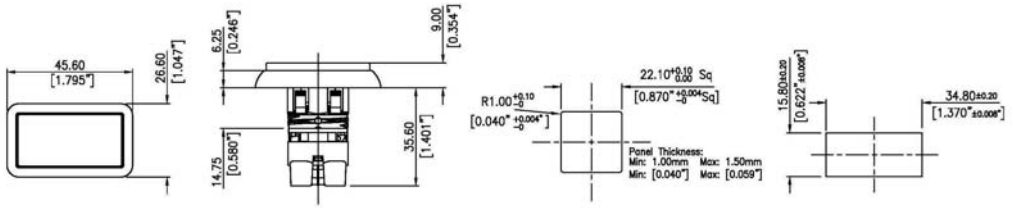
Small Square



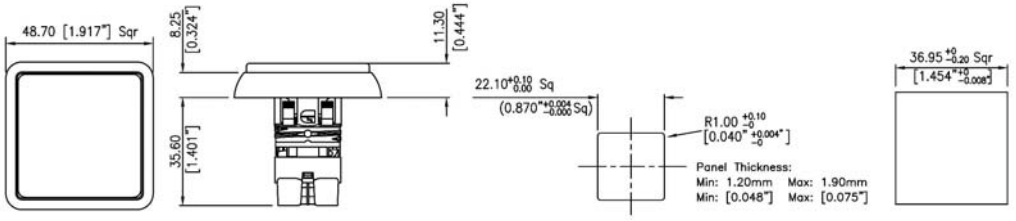
Small Rectangle



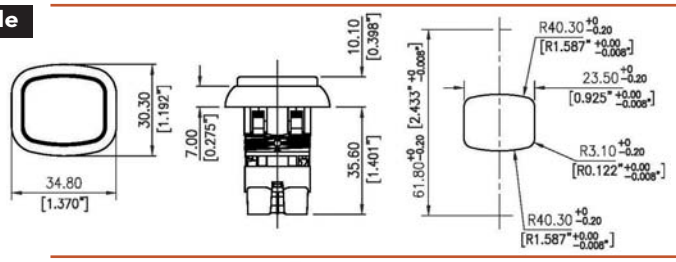
Large Rectangle



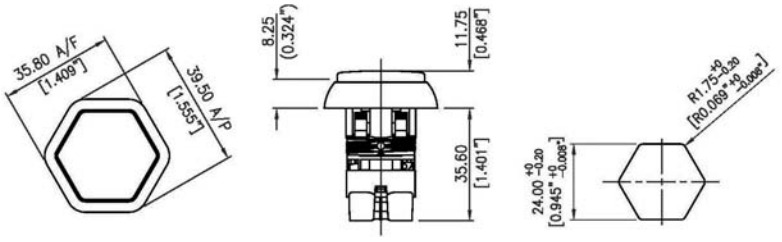
Large Square



Round Corner Rectangle



Six-Sided



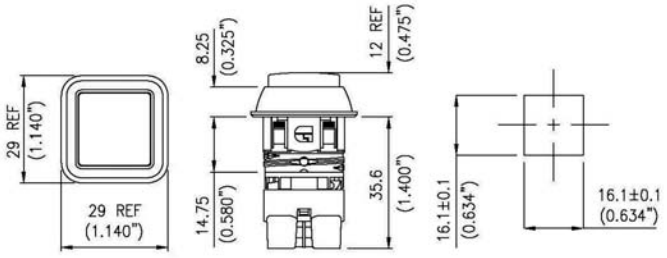
- For Konami games
- Unique snap-fit eliminates the need for a locking nut
- Black Bezel
- 12v LED

Part Number		Price per ea.
GPB510	Gamesman Small Square Pushbutton	12.99
GPB520	Gamesman Small Rectangle Pushbutton	12.99
GPB540	Gamesman Large Rectangle Pushbutton	13.99
GPB570	Gamesman Large Square Pushbutton	14.99
GPB580	Gamesman Round Corner Rectangle Pushbutton	14.79
GPB583	Gamesman Six-Sided Pushbutton	14.79

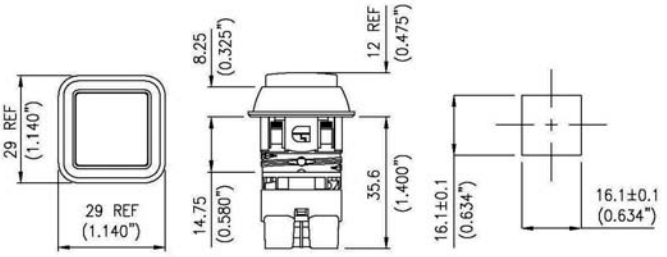
GAMESMAN HALO PUSHBUTTONS FOR KONAMI

NEW

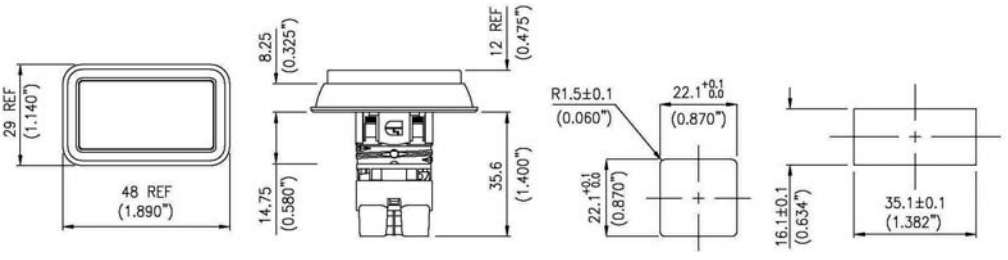
Small Square



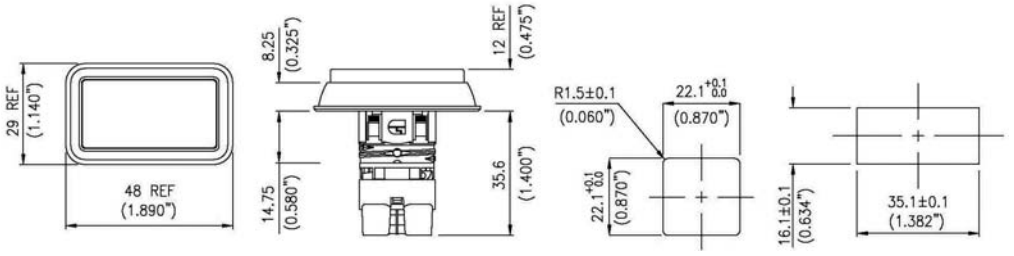
Small Square



Rectangle



Rectangle



- For Konami games
- Unique snap-fit eliminates the need for a locking nut
- Stunning halo creates attractive visual effect
- 12v LED

Part Number		Price per ea.
GPB810-B	Small Square With Blue Halo Pushbutton	13.99
GPB810-R	Small Square With Red Halo Pushbutton	13.99
GPB840-B	Rectangle With Blue Halo Pushbutton	14.99
GPB840-R	Rectangle With Red Halo Pushbutton	14.99

GAMESMAN GPB350 ILLUMINATED PUSHBUTTON

- For Aristocrat games
- Unique snap-fit eliminates the need for a locking nut
- 6.3v LED

Part Number		Price per ea.
GPB350	Gamesman GPB350 Illuminated Pushbutton	12.49

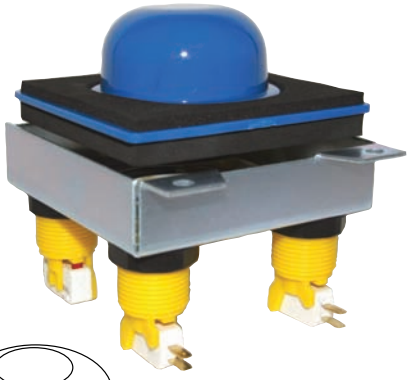
GAMESMAN GPB430 LED PUSHBUTTON

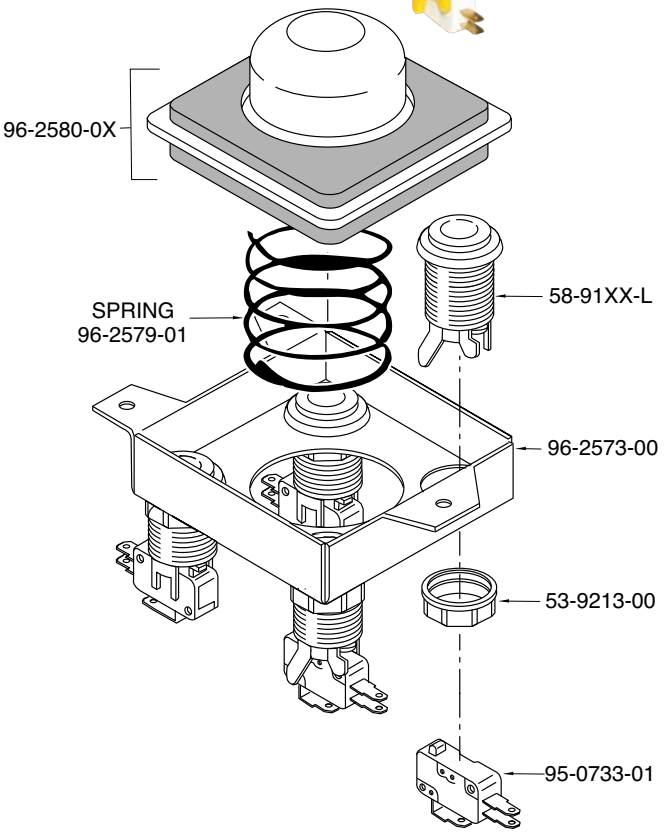
- For Aristocrat games
- Includes button body, legend plate, lens cap, connector and LED
- Tri-colored 12v LED orbits the bezel and creates a wonderful visual effect.

Part Number		Price per ea.
GPB430	Gamesman GPB430 LED Pushbutton	27.49

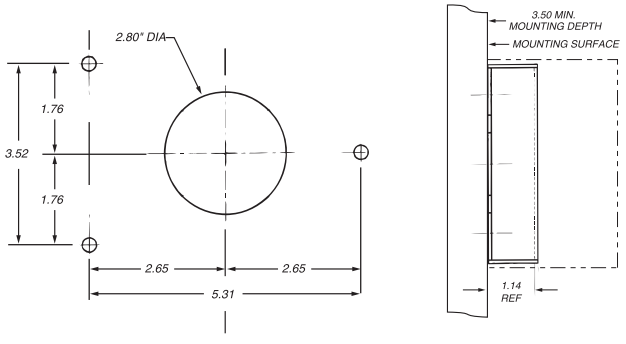
MEGA BUTTON ASSEMBLY

- Translucent polycarbonate pushbutton
- Plastic covered spring
- 14 gauge steel base
- Additional colors can be produced upon request
- Various colors available
- Custom artwork/printing inside button available





PANEL MOUNTING



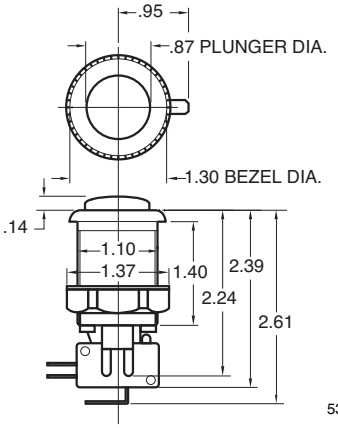
COLOR CODE: X = Color

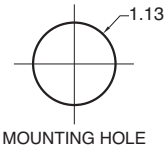
0 = Red	4 = Purple
1 = White	5 = Yellow
2 = Blue	7 = Orange
3 = Green	

Part Number		Price per ea.	L/25
53-870X-00	Mega Button	42.75	38.90

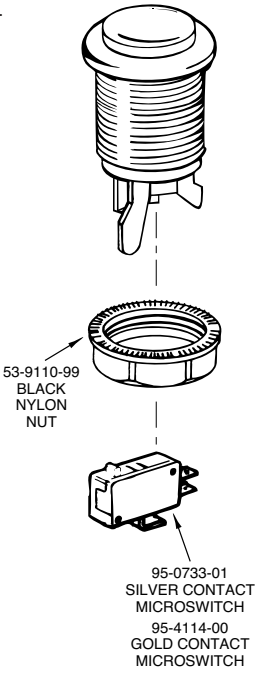
COMPETITION PUSHBUTTON

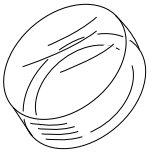
- Unique, convex design for increased speed and accuracy
- New longer design – easier to use with $^{3}/_{4}$" wood control panels with Lexan
- Mounts into wood or metal control panels, 1-$^{1}/_{8}$" hole
- Microswitch reliability – tested to 10,000,000 cycles.
- .187" Terminal Microswitch
- Gold contact microswitch available
- Durable Nylon Plastic





MOUNTING HOLE





54-1006-00
Protective Cover

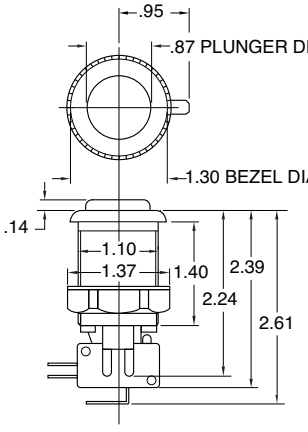
COLOR CODE: XX = Color

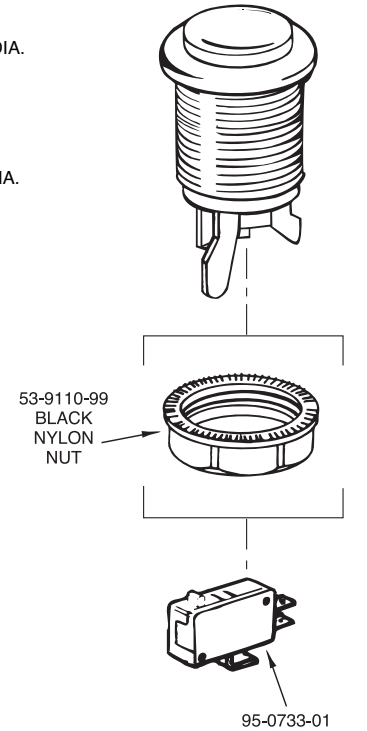
10 = Red
11 = White
12 = Blue
13 = Green
14 = Purple
15 = Yellow
16 = Black

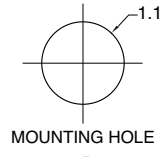
Part Number		Price per ea.	L/100
58-96XX-L	Competition Pushbutton	2.10	1.85
54-1006-00	Protective Cover for Competition Pushbutton	2.60	2.45

PUSHBUTTON WITH HORIZONTAL MICROSWITCH

- Fits wood or metal control panels
- New longer design: Easier to use within 3/4" wood control panels with Lexan
- Microswitch reliability tested to 10,000,000 cycle
- .187" Terminal Microswitch
- GOLD contact microswitch available
- Durable NYLON material
- Pushbutton mounts in 1-1/8" hole
- Concave plunger design
- Protective cover also available







54-1006-00
Protective Cover

COLOR CODE/PLAYER SELECTION

58-9100-LSH	= Red-LHS
58-9111-LSH	= White-LHS
58-9122-LSH	= Blue-LHS
58-9133-LSH	= Green-LHS
58-9144-LSH	= Purple-LHS
58-9155-LSH	= Yellow-LHS
58-9166-LSH	= Black-LHS
58-9177-LSH	= Orange-LHS
58-9111-L1PLY	= 1 Player, White
58-9111-L2PLY	= 2 Player, White
58-9111-L3PLY	= 3 Player, White
58-9111-L4PLY	= 4 Player, White

1Player
58-9111-L1PLY

2Player
58-9111-L2PLY

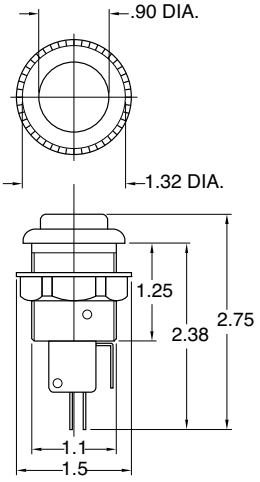
3Player
58-9111-L3PLY

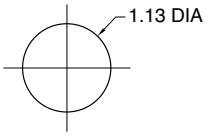
4Player
58-9111-L4PLY

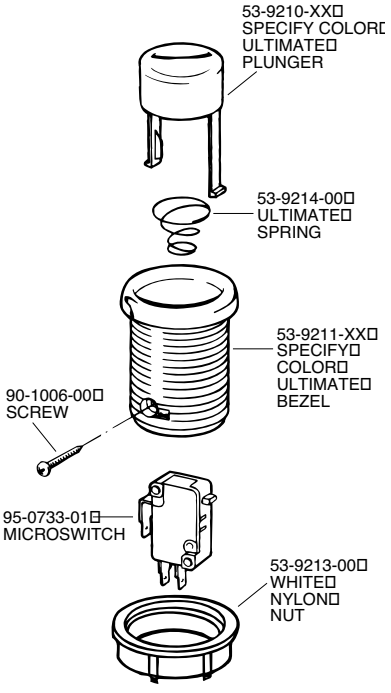
Part Number		Price per ea.	L/100
58-91XX-LSH	Pushbutton with Horizontal Microswitch	2.15	2.00
58-9111-LXPLY	1 – 4 Player Pushbutton with Horizontal Microswitch	2.40	2.15
54-1006-00	Protective Cover for Horizontal Pushbutton	2.60	2.45

ULTIMATE PUSHBUTTON WITH MICROSWITCH

- Fits all thickness of control panels from .060 (1/16") metal to .750 (3/4") wood
- 100% NYLON construction
- Microswitch reliability tested to 10,000,000 cycle
- .187" Terminal Microswitch
- GOLD contact microswitch available
- Sideways switch actuation – fast and responsive
- Microswitch is held firmly in place via exclusive one screw design
- Pushbutton mounts in 1-1/8" hole
- Protective cover also available

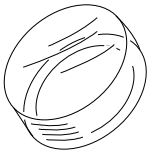






COLOR CODE

XX = Color
10 = Red
11 = White
12 = Blue
13 = Green
15 = Yellow
16 = Black
18 = Purple



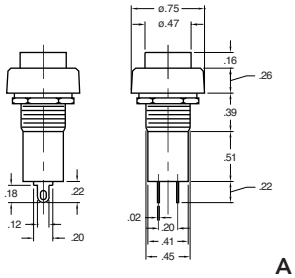
54-1006-00
Protective Cover

Part Number		Price per ea.	L/100
53-9200-XX	Ultimate Pushbutton & Switch	1.95	1.60
54-1006-00	Protective Cover f/Ultimate Pushbutton	2.60	2.45

MINIATURE MOMENTARY CONTACT PUSHBUTTONS

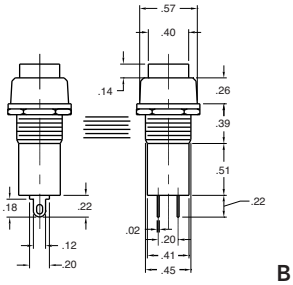
- Small size to allow use in numerous applications
- Momentary contact

A



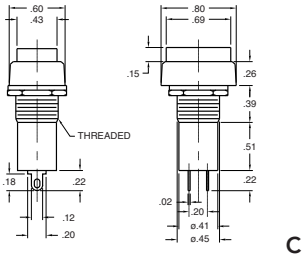
A

B



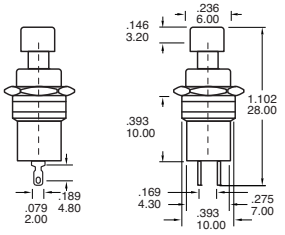
B

C



C

D



D

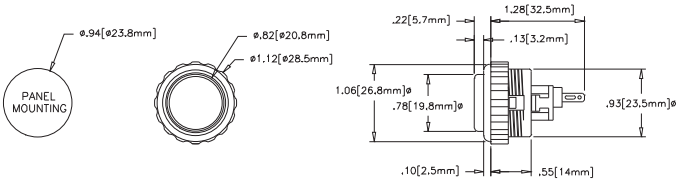
Part Number	Type		Price per ea.	L/100
49-0577-00	A	Miniature Round Pushbutton, Black Bezel, Red Center	.91	.80
49-0577-01	A	Miniature Round Pushbutton, Black and White Bezel	.85	.75
49-0577-05	A	Miniature Round Pushbutton, Black Bezel, Yellow Center	.85	.81
49-0578-00	B	Miniature Square Pushbutton, Black Bezel, Red Center	.85	.75
49-0578-11	B	Miniature Square Pushbutton Black Bezel, White Center	.85	.75
49-3037-00	C	Miniature Rectangle Pushbutton Black Bezel, Red Center	.96	.91
95-0011-00	D	Mini-Round Pushbutton, Red	1.30	1.20

MOMENTARY CONTACT PUSHBUTTON

- Small pushbutton with shallow mounting depth
- .110 quick connect terminals
- Momentary contact switch
- Switch life: 1,000,000 cycles
- Switch rating: 12vdc 0.1A, 5v 10mA

COLOR CODE XX = Color
10 = Red
12 = Blue
13 = Green
15 = Yellow
17 = Orange

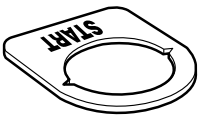
Mounting Dimensions



Part Number		Price per ea.
60-1200-XX	Momentary Contact Pushbutton	1.95

IDENTIFICATION TAGS

- For use on all control panels
- Clear polycarbonate plastic



Part Number		Price per ea.	L/25
95-4009-00	Blank I.D. Tag	.27	.25

ILLUMINATED PUSHBUTTON COVERS

- Protects against spills and scratches
- Duraflex Polyurethane Film

Part Number		Price per ea.	L/25
54-1001-00	Pushbutton Covers (Small Round)	2.60	2.45
54-1004-00	Pushbutton Covers (Small Square)	2.60	2.45
54-1005-00	Pushbutton Covers (Rectangle)	2.60	2.45
54-1003-00	Pushbutton Covers (Large Round)	2.85	2.60
54-1000-00	Pushbutton Covers (Large Square)	2.85	2.60
54-1002-00	Pushbutton Covers (Medium Round)	2.85	2.60

VLT BUTTON COVERS

- Protects against spills and scratches
- Durable Duraflex Polyurethane Film

Part Number		Price per ea.	L/25
54-1011-00	Pushbutton Cover for Rectangle VLT w/adapter bezel above panel	2.65	2.40
54-1011-01	Pushbutton Cover for Rectangle VLT w/adapter bezel below panel	3.05	2.85
54-1012-00	Pushbutton Cover for Square VLT w/adapter bezel above panel	3.05	2.85
54-1012-01	Pushbutton Cover for Small Square VLT w/o adapter bezel below panel	3.05	2.85
54-1013-00	Pushbutton Cover for Medium Rectangle VLT w/adapter bezel above panel	3.05	2.85

REMOVAL TOOL FOR BALLY SNAP-TAB PUSHBUTTONS

NEW

- Easily remove snap-tab buttons on Bally Alpha Video M9000, Alpha Slot S9000 and CineVision machines
- Removal tool removes both old and newer style snap-tab buttons

Part Number		Price per ea.
96-0840-00	Snap-Tab Pushbutton Removal Tool	19.99

ILLUMINATED PUSHBUTTON WRENCH

- Dual purpose… one end suitable for illuminated pushbuttons, other end is for pushbuttons with microswitch (Ultimate Pushbutton and with Horizontal Microswitch Pushbuttons)

Part Number		Price per ea.	L/25
53-8002-00	Pushbutton Wrench	2.60	2.10

VLT PUSHBUTTON WRENCH

- Dual purpose… one end suitable for VLT pushbuttons, other end suitable for illuminated pushbuttons

Part Number		Price per ea.	L/25
53-8003-00	VLT Pushbutton Wrench	2.60	2.10

T 1-3/4 AND T 3-1/4 WEDGE BASE LED

- Save time and money by replacing your lamps with LEDs
- LEDs are maintenance free, lasting an average of 100,000 hours
- LEDs can reduce power consumption up to 80%

Single

NEW

Cluster

- Great for use on illuminated pushbuttons including poker / VLT pushbuttons
- Replace standard T 1-3/4 and T 3-1/4 wedge base lamps
- T 1-3/4 will also fit T 1-1/2 bases
- Designed to be drop-in replacements
- Direct replacements for 73, 86, 161, 194, 259 bulbs
- LEDs are equipped with a resistor

T 1-3/4 Base

Part Number	Color	LED Type	Volts	Lamp	Price per ea.	L/100
91-5WB-61W2	White	Single (1)	6 vdc	#86	1.30	1.20
91-5WB-61Y2	Yellow	Single (1)	6 vdc	#86	1.30	1.20
91-5WB-61R2	Red	Single (1)	6 vdc	#86	1.30	1.20
91-5WB-61G2	Green	Single (1)	6 vdc	#86	1.30	1.20
91-5WB-61B2	Blue	Single (1)	6 vdc	#86	1.30	1.20
91-5WB-121W2	White	Single (1)	12 vdc	#73	1.30	1.20
91-5WB-121Y2	Yellow	Single (1)	12 vdc	#73	1.30	1.20
91-5WB-121R2	Red	Single (1)	12 vdc	#73	1.30	1.20
91-5WB-121G2	Green	Single (1)	12 vdc	#73	1.30	1.20
91-5WB-121B2	Blue	Single (1)	12 vdc	#73	1.30	1.20

T 3-1/4 Base

Part Number	Color	LED Type	Volts	Lamp	Price per ea.	L/100
91-10WB-53W	White	Cluster (3)	6 vdc	#259	5.10	4.50
91-10WB-53B	Blue	Cluster (3)	6 vdc	#259	5.10	4.50
91-10WB-123W	White	Cluster (3)	12 vdc	#161, #194	5.10	4.50
91-10WB-123Y	Yellow	Cluster (3)	12 vdc	#161, #194	5.10	4.50
91-10WB-123R	Red	Cluster (3)	12 vdc	#161, #194	5.10	4.50
91-10WB-123G	Green	Cluster (3)	12 vdc	#161, #194	5.10	4.50
91-10WB-123B	Blue	Cluster (3)	12 vdc	#161, #194	5.10	4.50

BUTTON PLUGS

- For use on both wood and metal control panels
- Fills in unused button holes
- Comes with nut
- Button plug fits a $1^{1}/_{8}$" (1.125) hole, for horizontal and Ultimate pushbuttons
- IPB plug fits a $^{31}/_{32}$" (.97") hole, for illuminated pushbuttons

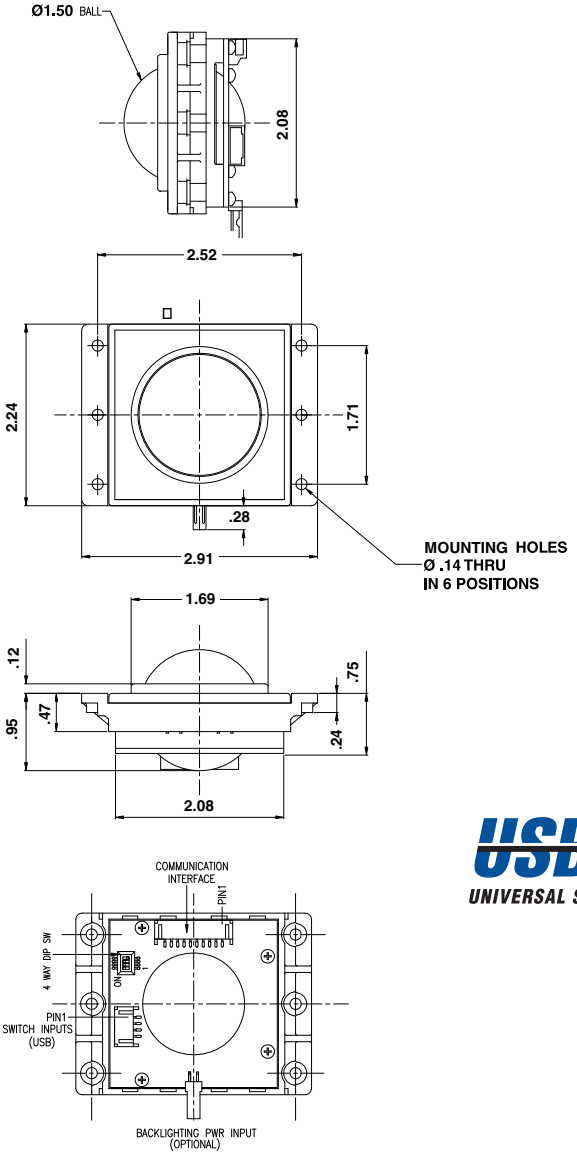
Button Plug with Nut

Button Plug for illuminated pushbutton

Part Number		Price per ea.	L/25
52-6212-00	Button Plug with Nut (1.13" dia.)	1.20	1.05
52-6214-00	Button Plug for Illuminated Pushbutton with nut 31/32" (.97" dia.)	1.20	1.05

1-1/2" DIAMETER TRACKBALL

- Provides a big ball feel in a small package
- Combination of precision stainless steel components, high-grade injection molded plastics and superior optical encoders to create a high quality compact trackball
- Trackball orientation settings can be changed with the flip of a dipswitch
- Button & USB harness sold separately
- Optional translucent backlit ball option
- Optional mounting kit available (55-0306-00) see page 151

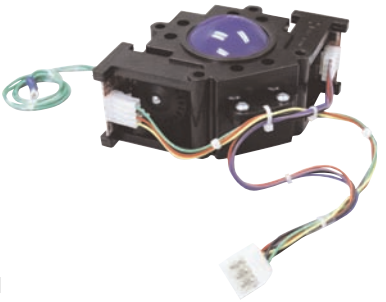


USB B
UNIVERSAL SERIAL BUS

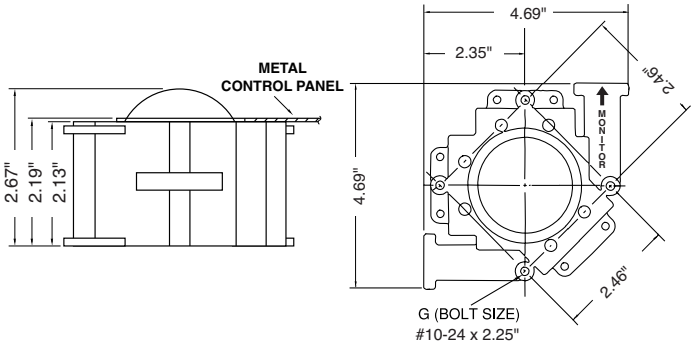
Part Number		Price per ea.
56-0200-16USB	1-1/2" Trackball, Black, USB Interface	215.70
55-0274-00	USB Cable for 1-1/2" Trackball, 6' long	46.80
55-0276-00	2 Button Harness for 1-1/2" Trackball, 12.5" long	7.50

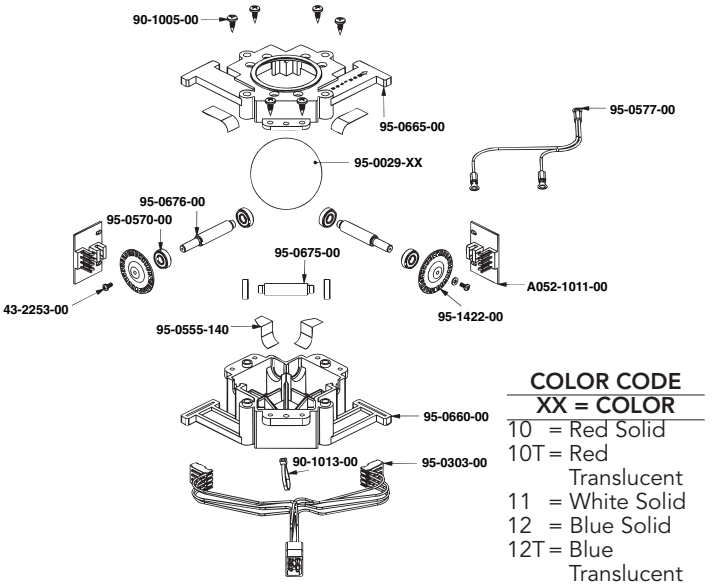
2-1/4" DIAMETER TRACKBALL

- **Made in USA**
- Durable black polycarbonate plastic material
- 2-1/4" diameter ball (standard color white)
- Standard AMOA harness included
- Custom colors available
- Mounting hardware sold separately
- Mounting kits available for wood or metal see page 151
- Can be used as a heavy duty alternative to a mouse for interactive displays when used in conjunction with Trackball Interface Kit
- Translucent, illuminated ball optional



Looking for Trackball Interface Kits? see page 152





COLOR CODE
XX = COLOR

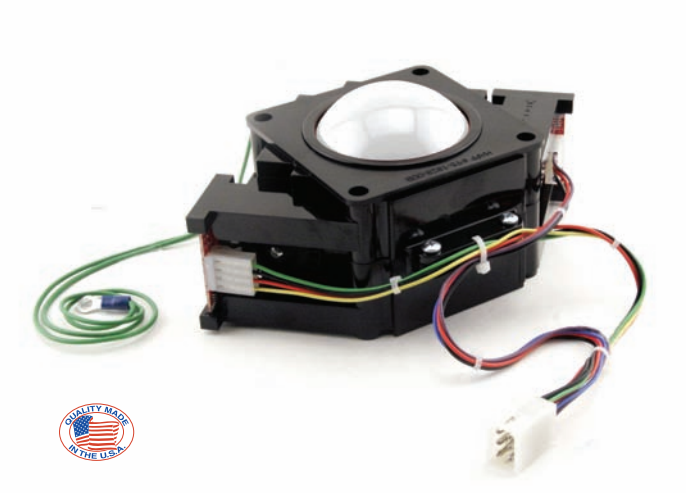
10 = Red Solid
10T = Red Translucent
11 = White Solid
12 = Blue Solid
12T = Blue Translucent
13 = Green Solid
16 = Black Solid

Trackball (Specify Color)

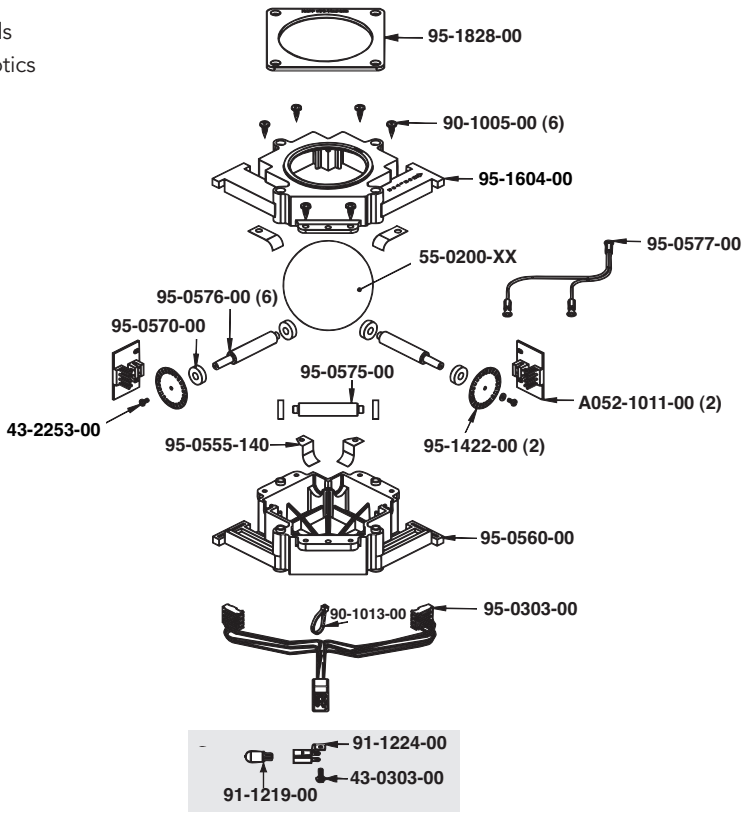
Part Number		Price per ea.	L/6
56-5500-XX	2-1/4" Diameter Trackball with Harness	96.95	90.55

3" DIAMETER WHITE HIGH LIP TRACKBALL FOR USE IN GOLDEN TEE® FORE 2002 - 2004 AND GLOBAL VR PGA TOUR GOLF

- Updated case design with high lip around trackball for use on new updated control panel design on newer Golden Tee" Fore 2003 - 2005 games.
- Includes a spacer bracket to allow this trackball to be used in Golden Tee" and Golden Tee" Fore 2002
- Highly specialized components provide the ultimate performance trackball for use with Golden Tee® Fore and PGA Tour machines
- Exceptional performance and precision is achieved from hardened steel shafts
- Optimized for all types of shots and skill levels of the most critical players
- Consistent manufacturing process provides a trackball with performance you can depend on
- Tested and preferred by elite "Gold Division" Golden Tee® Fore players
- Durability to last and maintain superior performance
- Case is constructed of durable impact resistant polycarbonate plastic material that resists cracking due to impact
- Powerful optics work even under dirty and dusty conditions
- "Red Board" PCB has improved circuitry to guarantee an optimized performance signal both at low and high rpm speeds
- Optic board utilizes surface mount technology and superior optics for increased reliability
- Standard AMOA harness included
- Note: If you have an earlier version of PGA Tour with a PS/2 configuration replace with part number 56-0400-11
- Includes information label: "Happ Trackball Installed"
- Proudly Made in USA

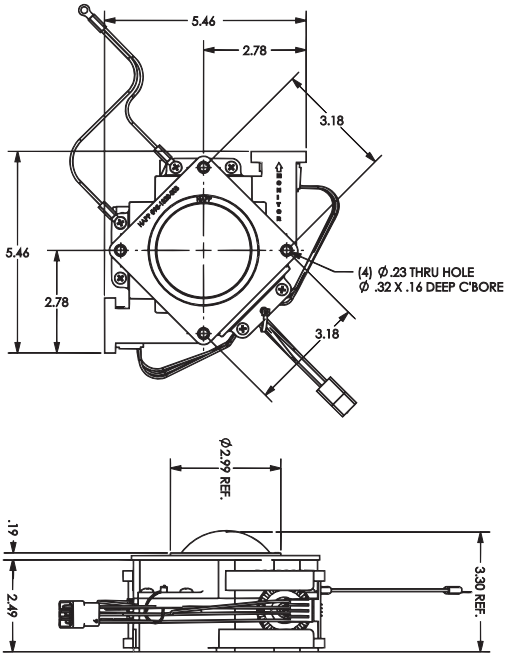


HAPP
TRACKBALL INSTALLED
TESTED AND PREFERRED BY THE ELITE PLAYERS



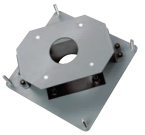
Translucent illumination parts optional

3" TRACKBALL MOUNTING DIMENSIONS



Part Number		Price per ea.	L/6
56-0100-11HL	3" Diameter White High Lip Trackball with Harness	94.50	89.25

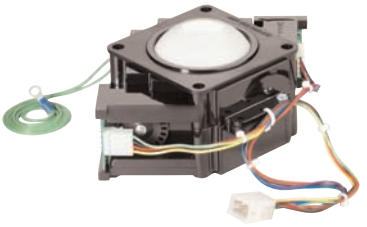
REPLACEMENT 3" GOLDEN TEE & PGA TOUR KIT MOUNTING PLATE

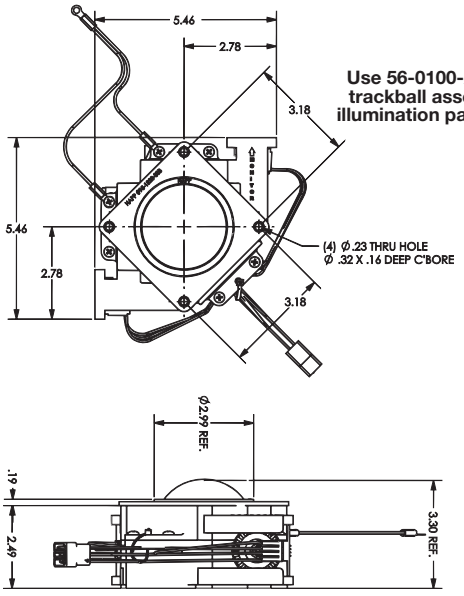


55-0321-00

3" DIAMETER TRACKBALL

- **Made in USA**
- Durable black polycarbonate plastic material
- 3" diameter ball
- Custom colors available
- Standard AMOA harness included
- Mounting hardware sold separately
- Mounting kits available for wood or metal see page 151
- Can be used as a heavy duty alternative to a mouse for interactive displays when used in conjunction with trackball interface kit
- Translucent, illuminated ball optional





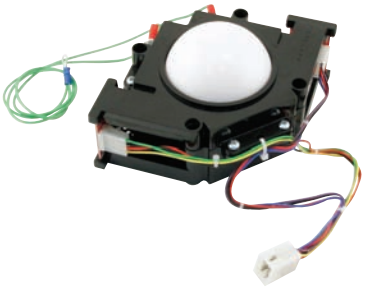
Use 56-0100-XXTIXX for trackball assembly with illumination parts installed

See previous page for exploded view.

Part Number		Price per ea.	L/6
56-0100-10	3" Dia. Trackball w/ Harness, Red Solid	101.30	95.05
56-0100-11HL	3" Dia. Trackball w/ Harness, White Solid	94.50	89.25
56-0100-12	3" Dia. Trackball w/ Harness, Blue Solid	103.40	96.95
56-0100-16	3" Dia. Trackball w/ Harness, Black Solid	101.30	95.05
56-0100-13	3" Dia. Trackball w/ Harness, Green Solid	101.30	95.05
56-0100-10TI6	3" Dia. Trackball w/ Harness,	106.00	92.80
99.50	Red Translucent with 6V Lamp		
56-0100-10TI12	3" Dia. Trackball w/ Harness, Red Translucent with 12V Lamp	106.00	99.50
56-0100-12TI6	3" Dia. Trackball w/ Harness, Blue Translucent with 6V Lamp	106.00	99.50
56-0100-12TI12	3" Dia. Trackball w/ Harness, Blue Translucent with 12V Lamp	106.00	99.50
56-0100-13TI6H	3" Dia. Trackball w/ Harness, Green Translucent with 6V Lamp	105.90	99.50
56-0100-13TI12	3" Dia. Trackball w/ Harness, Green Translucent with 12V Lamp	106.00	99.50
56-0100-15TI12	3" Dia. Trackball w/ Harness, Yellow Translucent with 12V Lamp	106.00	99.50

3" DIAMETER HIGH BALL TRACKBALL

- **Made in USA**
- New case design allows ball to sit higher within control panel
- More hand contact and better play with high ball
- Durable black polycarbonate plastic material
- 3" diameter ball
- Custom colors available
- Standard AMOA harness included
- Mounting hardware sold separately
- Mounting kits available for wood or metal see page 151
- Can be used as a heavy duty alternative to a mouse for interactive displays when used in conjunction with trackball interface kit
- Translucent, illuminated ball optional
- External lamp power required



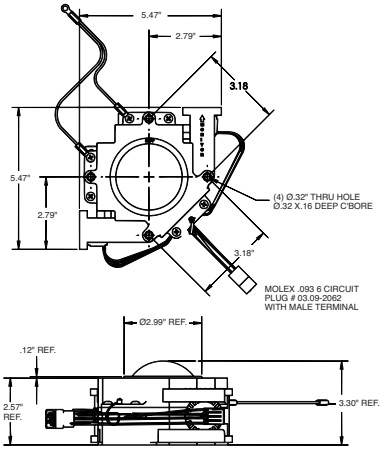
Looking for Trackball Interface Kits? see page 152

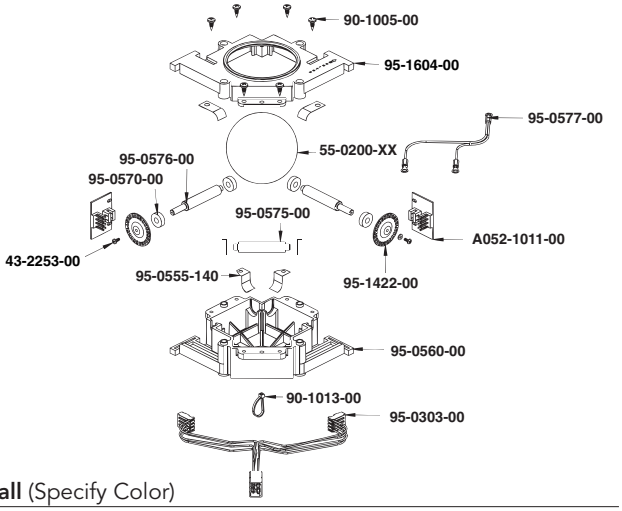
COLOR CODE

XX = COLOR

10 = Red Solid
10T = Red Translucent
11 = White Solid
12 = Blue Solid
12T = Blue Translucent
13 = Green Solid
13T = Green Translucent
16 = Black Solid

3" HIGHBALL TRACKBALL MOUNTING DIMENSIONS





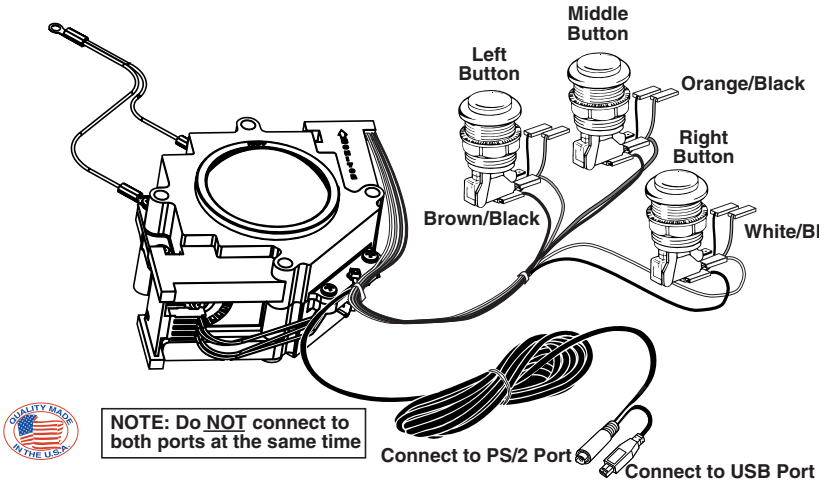
Trackball (Specify Color)

Part Number		Price per ea.	L/6
56-0110-XX	3" Diameter High Ball Trackball with Harness	109.85	96.95

2-1/4" TRACKBALL WITH USB & PS/2 INTERFACE

Features

The Happ Controls 2-1/4" Trackball & USB and PS/2 interface allows personal computers to easily interface with the standard "Arcade Quality" trackball and pushbuttons from Happ Controls via either the USB port or PS/2 connecter without the use of any external power supply. This allows the user to replace the existing mouse with a Happ Controls heavy-duty trackball for public access and similar applications. The USB & PS/2 trackball can be added with or without removing the original mouse. The device will be automatically configured as soon as it is physically plugged into the USB port or hub, without the need to reboot or run Setup.



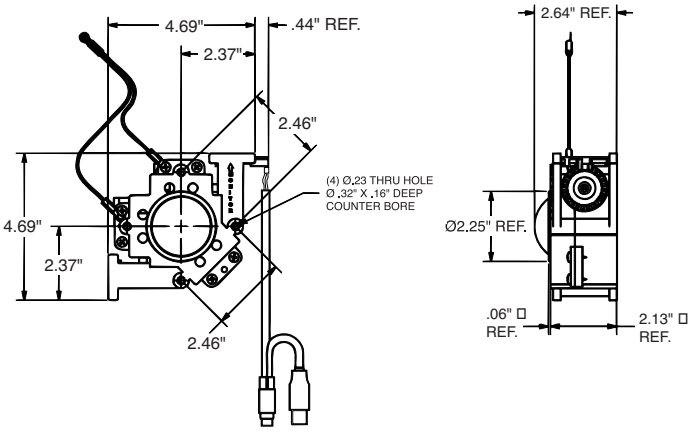
- Trackball has durable black polycarbonate plastic material
- 2-1/4" diameter ball (standard color white)
- Exceptional performance and precision is achieved from harden steel shafts
- Custom colors available
- No interface needed to connect the Happ Controls trackball to a PC
- Connects directly to either a PS/2 (mouse) port or a USB port on a PC
- Compatible with Windows 98™, Windows 2000™, Windows ME™, Windows XP™, and Apple Macintosh iMac™, Power PC™ with OS 8.5 or higher, Linux with USB HID support
- No external power supply needed
- Automatically detects whether it is connected to a PS/2 or a USB port and configures itself accordingly
- Comes with a 6-foot cable that plugs into a USB or a PS/2 port
- Supports up to three buttons. (Three-button functionality will require the use of a driver that supports three buttons. The standard MS driver supports only two, and the MAC OS supports only one).
- A wire harness is included which will connect to the Happ Controls Horizontal, Ultimate, Competition or Illuminated pushbuttons
- Includes both .187" and 250" terminal connectors for pushbuttons
- Pushbuttons and mounting plate kits are sold separately
- **Made in USA**
- The trackball is manufactured under a technology license agreement with **Atari Games Corporation**

Button Wire Color Code

Left Button – Brown & Black wire
Middle Button - Orange & Black wire
Right Button - White & Black wire

Benefits of USB

- Hot Swapping Capability
- Multiple Peripheral, with the use of USB hubs, allows up to 127 different peripherals to be used at one time
- Moves Data at a High Speed
- Distributes electrical power to many peripherals. USB lets the PC automatically sense the power that's required and deliver it to the device. This feature eliminates the need for auxiliary power supplies
- Share Peripherals between PC Platforms
- Higher bandwidth
- Simplicity of use
- Built-in operating system support for devices

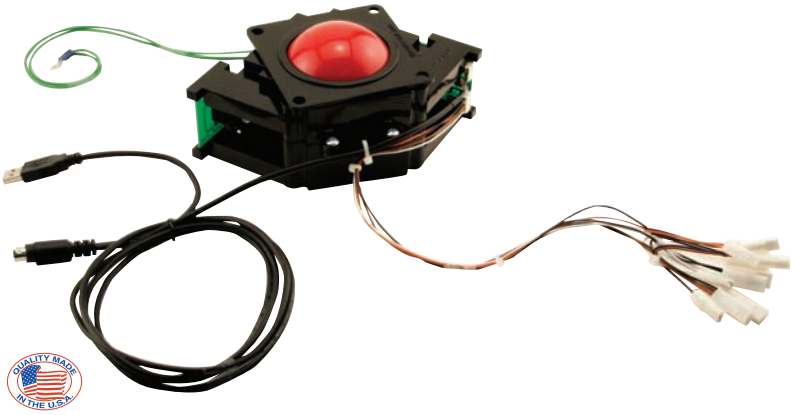


Part Number		Price per ea.
56-5600-10	2-1/4" Trackball with USB and PS/2 Interface, Red Solid	157.55
56-5600-11	2-1/4" Trackball with USB and PS/2 Interface, White Solid	168.05
56-5600-12	2-1/4" Trackball with USB and PS/2 Interface, Blue Solid	161.40
56-5600-16	2-1/4" Trackball with USB and PS/2 Interface, Black Solid	159.65
55-0203-00	2-1/4" Trackball Mounting Plate Kit, Painted Black River	14.70

3" TRACKBALL WITH USB & PS/2 INTERFACE

Features

The Happ Controls 3" Trackball & USB and PS/2 interface allows personal computers to easily interface with the standard "Arcade Quality" trackball and pushbuttons from Happ Controls via either the USB port or PS/2 connecter without the use of any external power supply. This allows the user to replace the existing mouse with a Happ Controls heavy-duty trackball for public access and similar applications. The USB & PS/2 trackball can be added with or without removing the original mouse. The device will be automatically configured as soon as it is physically plugged into the USB port or hub, without the need to reboot or run Setup.



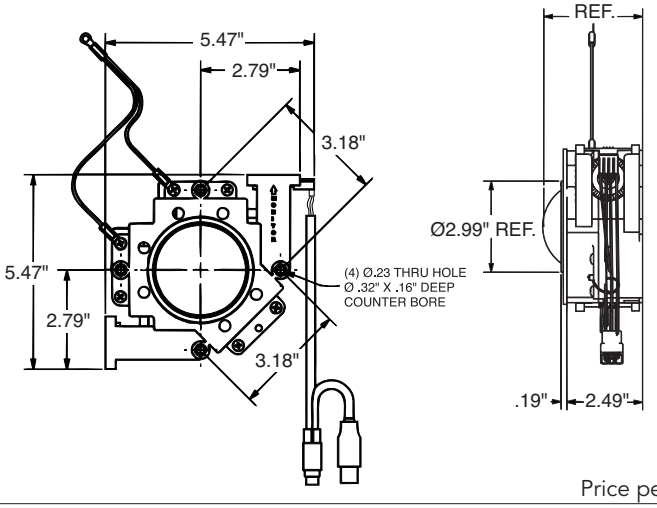
Button Wire Color Code

Left Button – Brown & Black wire
Middle Button - Orange & Black wire
Right Button - White & Black wire

- Trackball has durable black polycarbonate plastic material
- 3" diameter ball (standard color white)
- Exceptional performance and precision is achieved from harden steel shafts
- Custom colors available
- Translucent, illuminated ball optional (requires external 12vdc power source)
- No interface needed to connect the Happ Controls trackball to a PC
- Connects directly to either a PS/2 (mouse) port or a USB port on a PC
- Compatible with Windows 98™, Windows 2000™, Windows ME™ and Apple Macintosh iMac™, Power PC™ with OS 8.5 or higher, Linux with USB HID support
- No external power supply needed
- Automatically detects whether it is connected to a PS/2 or a USB port and configures itself accordingly
- Comes with a 6-foot cable that plugs into a USB or a PS/2 port
- Supports up to three buttons. (Three-button functionality will require the use of a driver that supports three buttons. The standard MS driver supports only two, and the MAC OS supports only one).
- A wire harness is included which will connect to the Happ Controls Horizontal, Ultimate, Competition or Illuminated pushbuttons
- Includes both .187" and .250" terminal connectors for pushbuttons
- Pushbuttons and mounting plate kits are sold separately
- **Made in USA**

Benefits of USB USB UNIVERSAL SERIAL BUS

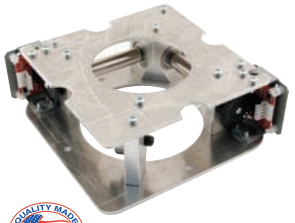
- Hot Swapping Capability
- Multiple Peripheral, with the use of USB hubs, allows up to 127 different peripherals to be used at one time
- Moves Data at a High Speed
- Distributes electrical power to many peripherals. USB lets the PC automatically sense the power that's required and deliver it to the device. This feature eliminates the need for auxiliary power supplies
- Share Peripherals between PC Platforms
- Higher bandwidth
- Simplicity of use
- Built-in operating system support for devices



Part Number		Price per ea.
56-0300-10	3" Trackball with USB and PS/2 Interface Red	161.40
55-1101-00	3" Trackball Mounting Plate Kit, Painted Black River	13.65
56-0300-11	3" Trackball with USB and PS/2 Interface White	161.40
56-0300-12	3" Trackball with USB and PS/2 Interface Blue	161.40
56-0300-16	3" Trackball with USB and PS/2 Interface Black Solid	171.75
56-0300-12T	3" Trackball with USB and PS/2 Interface Blue Translucent	162.80
56-0300-10T	3" Trackball with USB and PS/2 Interface Red Translucent	169.25
55-1102-00	3" Trackball Mounting Plate Kit, Painted Clear Zinc Finish	15.00

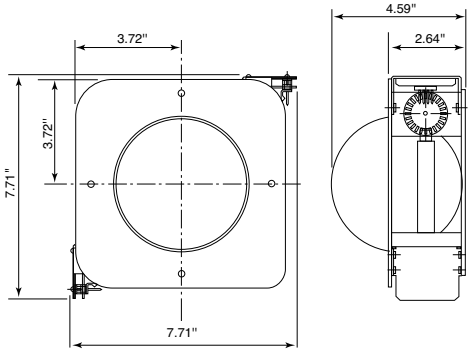
4-1/2" TRACKBALL SUBASSEMBLY

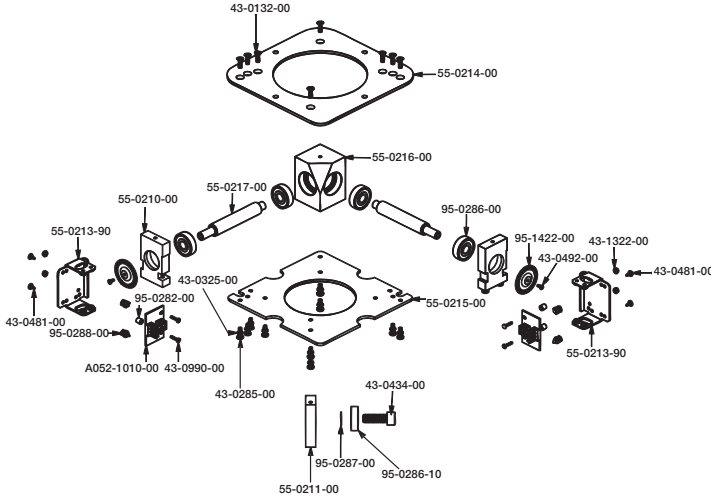
- **Made in U.S.A.**
- Exceptional performance and precision
- Durable steel construction
- Allows a new dimension of play with this large trackball
- Custom color balls available
- Mounting hardware sold separately
- Ball sold separately
- USB-PS/2 version 55-0314-00



USB UNIVERSAL SERIAL BUS

4-1/2" TRACKBALL MOUNTING DIMENSIONS

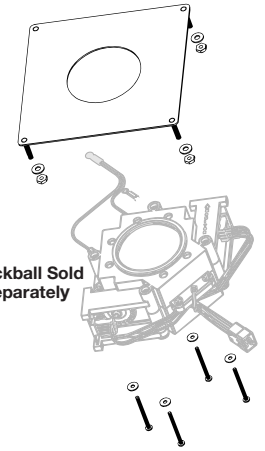




Part Number		Price per ea.	L/6
55-0226-00	4-1/2" Trackball, W/O Ball	141.80	136.55
55-0314-00	4-1/2" Trackball, USB/PS/2, W/O ball	197.95	190.25
55-0300-00	4-1/2" Trackball Ball, Red Translucent	50.50	47.30
55-0300-022	4-1/2" Trackball Ball, Blue Translucent	51.50	48.30
55-0300-05	4-1/2" Trackball Ball, Yellow Translucent	51.80	49.20

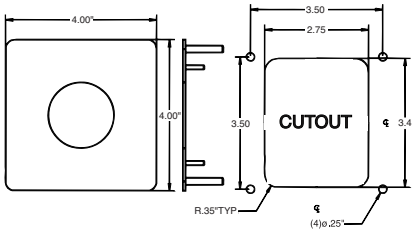
TRACKBALL MOUNTING KITS

- Metal mounting plate to adapt trackball to wood or metal control panels
- Available for 1-1/2", 2-1/4", 3" and 3" High Ball trackballs
- Durable Black River powder coated finish or Clear zinc finish available
- Innovative method of securing trackball to plate to allow for no external hardware along top surface of mounting plate
- Includes all necessary washers and nuts to assemble
- Trackball sold separately



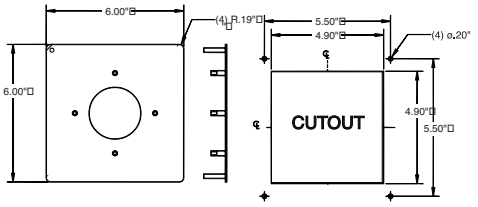
MOUNTING DIMENSIONS

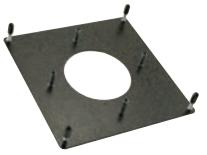
1-1/2" MOUNTING PLATE



1-1/2" Kit Shown

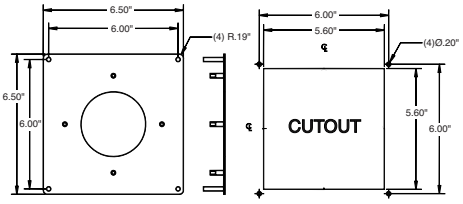
2-1/4 MOUNTING PLATE

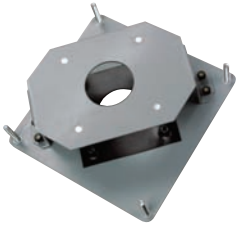




2-1/4", 3", & 3" Highball Kit Shown

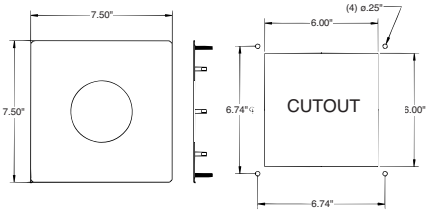
3" MOUNTING PLATE





3" Golden Tee & PGA Tour Kit Shown

3" HIGHBALL MOUNTING PLATE



Part Number	Trackball Size	Finish	Price per ea.	L/6
55-0306-00	1-1/2"	Black	94.95	89.95
55-0203-00	2-1/4"	Black	14.70	13.65
55-0202-00	2-1/4"	Clear Zinc	18.20	16.70
55-1101-00	3"	Black	13.65	12.60
55-1102-00	3"	Clear Zinc	15.00	14.30
55-0321-00	3"	Golden Tee PGA Tour Version	10.55	9.95
55-1103-00	3" High ball	Black	26.30	23.55
55-1104-00	3" High ball	Clear Zinc	20.00	18.00

REPLACEMENT BALLS FOR HAPP TRACKBALLS

- Select 2-1/4", 3" or 4-1/2" balls
- Various colors available
- Original high quality balls in our OEM Trackballs

Part Number		Price per ea.
2-1/4" Replacement Balls		
95-0029-10	2-1/4" Replacement Ball – Red	19.55
95-0029-11	2-1/4" Replacement Ball – White	19.55
95-0029-12	2-1/4" Replacement Ball – Blue	19.55
95-0029-12T	2-1/4" Replacement Ball – Translucent Blue	19.55
95-0029-16	2-1/4" Replacement Ball – Black	19.55
95-0029-19	2-1/4" Replacement Ball – Translucent Red	19.55
95-0029-389U	2-1/4" Replacement Ball – Green	19.55
3" Replacement Balls		
55-0200-10	3" Replacement Ball – Red	34.30
55-0200-11	3" Replacement Ball – White	34.30
55-0200-12	3" Replacement Ball – Blue	34.30
55-0200-13	3" Replacement Ball – Green	34.30
55-0200-15	3" Replacement Ball – Yellow	26.85
55-0200-15T	3" Replacement Ball – Translucent Yellow	34.30
55-0200-16	3" Replacement Ball – Black	26.85
55-0200-17	3" Replacement Ball – Cocoa/Cream	34.30
55-0200-20	3" Replacement Ball – Translucent Red	34.30
55-0200-212	3" Replacement Ball – Blue/White Marble	34.30
55-0200-22	3" Replacement Ball – Translucent Blue	34.30
55-0200-23	3" Replacement Ball – Translucent Green	34.30
4-1/2" Replacement Balls		
55-0300-00	4-1/2" Replacement Ball – Translucent Red	50.50
55-0300-01	4-1/2" Replacement Ball – Translucent White	51.50
55-0300-022	4-1/2" Replacement Ball – Translucent Light Blue	63.00
55-0300-03	4-1/2" Replacement Ball – Translucent Green	51.80
55-0300-05	4-1/2" Replacement Ball – Translucent Yellow	51.80
55-0300-10	4-1/2" Replacement Ball – Red	51.80
55-0300-16	4-1/2" Replacement Ball – Black	51.80

Visit Our Web Site:
happ.com
for NEW Product Updates!!

USB-PS/2 TRACKBALL INTERFACE KIT FOR 2-1/4", 3" OR 4-1/2"

USB UNIVERSAL SERIAL BUS

- Kit converts existing 2-1/4" or 3" Happ trackballs to work with USB or PS/2
- Simply replace the optic boards on the existing trackball with the included new optic boards and harness
- Connects directly to either a USB or PS/2 port on a PC

- Compatible with Windows 98TM, Windows 2000 TM, Windows ME TM, and Apple Macintosh iMac TM, Power PC TM, with OS 8.5 or higher, Linux TM with USB HID support
- No external power supply needed
- Automatically detects whether it is connected to a USB of PS/2 port and configures itself accordingly
- Supports up to three buttons (sold separately)
- Includes both .187" and .250" terminal connectors for pushbutton switches
- For 4-1/2" Happ trackballs use 56-0114-00K

Part Number		Price per ea.
56-0113-00K	PS/2 & USB Trackball Interface Kit for 2-1/4" and 3"	46.10
56-0114-00K	PS/2 & USB Trackball Interface Kit for 4-1/2"	54.65

3" TRACKBALL SUPPORT PLATE

NEW

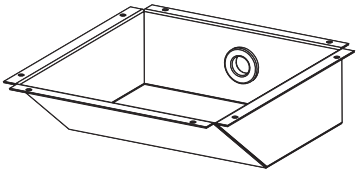
- Thick 13 gauge metal plate to offer additional support for 3" Trackball for those rough locations
- Easy to install, simply place on bottom of trackball and tighten existing fasteners
- Works on all 3" Trackballs
- 3.75" x 3.75"

Part Number		Price per ea.
95-1828-10	3" Trackball Support Plate	7.00

TRACKBALL ENCLOSURE

NEW

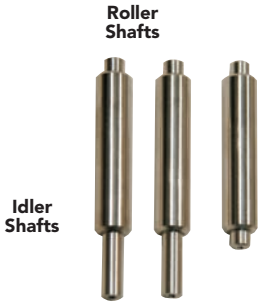
- Trackball can now be mounted into panel without being enclosed with the use of this enclosure
- Large enough to accomodate both 2-1/4" and 3" trackballs with one button on left and right side of trackball
- Black powder coated finish
- Includes rubber grommet



Part Number		Price per ea.
95-2198-00	Trackball Enclosure	134.95

ROLLER AND IDLER KITS FOR TRACKBALLS

- Kit includes 2 steel rollers and 1 steel idler shaft
- For use in Happ Controls trackballs only
- Overall width of 2-1/4" trackball kit parts:
  - Idler shaft: 1.755" W
  - Roller shaft: 2.265" W
- Overall width of 3" trackball kit parts:
  - Idler shaft: 2.370" W
  - Roller shaft: 2.933" W



Part Number		Price per ea.	L/6
95-0830-00	Roller and Idler Kit for 2-1/4" Trackball	8.50	7.85
95-0831-00	Roller and Idler Kit for 3" Trackball	12.60	10.45

3" TRACKBALL REPAIR KIT WITH STEEL SHAFTS AND BEARINGS

- Kit includes 2 steel roller shafts, 1 steel idler shaft, and 6 bearings
- Overall width of shafts:
- Idler shaft: 2.370" W
- Roller shaft: 2.933" W
- Bearings are pre-lubricated for optimal performance
- For use in Happ Controls 3" trackballs only

Part Number		Price per ea.
95-0831-WB	3" Trackball Repair Kit w/Shafts and Bearings	35.70

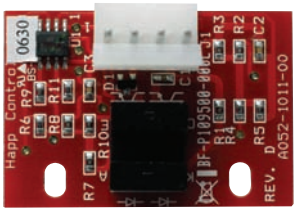
BEARINGS FOR TRACKBALLS

- For use in both 2-1/4" and 3" trackballs
- Each trackball requires 6 bearings per assembly
- Exact OEM Specification for optimal performance
- Pre oiled to OEM specification

Part Number		Price per ea.
95-0570-00	Bearings for Trackballs	4.50

"RED BOARD" PRINTED CIRCUIT BOARD FOR HAPP TRACKBALLS

- This new "Red Board" PCB has improved circuitry to guarantee an optimized performance signal both at low and high rpm speeds
- Optic board uses surface mount technology and superior optics for increased reliability and performance
- Replaces the original A052-1010-00 Green design board



Part Number		Price per ea.	L/6
A052-1011-00	Printed Circuit Board	20.15	18.15

PS/2 EXTENSION CABLE

- Shielded and jacketed PVC cable
- Male on one side and Female on the other
- Used to extend length of PS/2 devices such as keyboards, mouse, etc.
- 6' overall length
- 6 pin

Part Number		Price per ea.
55-0273-00	PS/2 Extension Cable, 6'	5.50

USB EXTENSION CABLE

- Used to extend a USB device such as a trackball, keyboard, printer, modem, scanner, digital camera, etc.
- Extends the A connection (flat end) of a USB cable
- Shielded PVC jacketed cable
- 6' overall length

Part Number		Price per ea.
55-0278-00	USB Extension Cable	7.70

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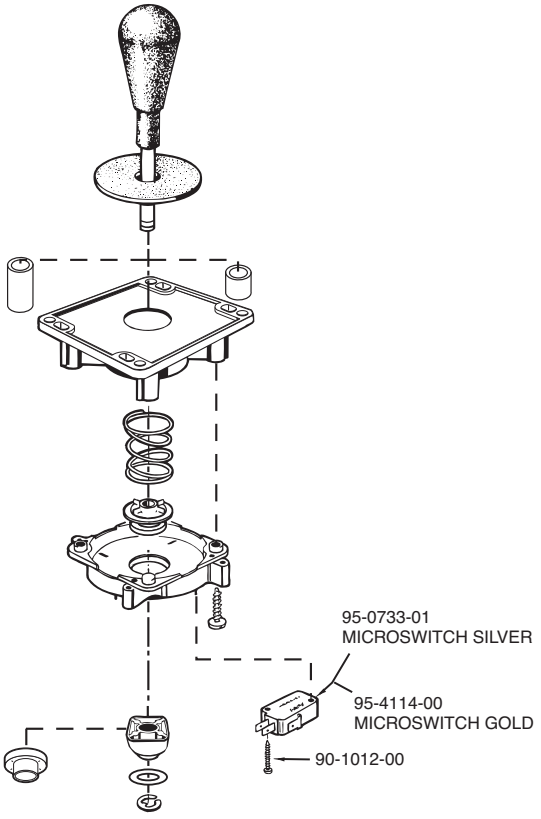
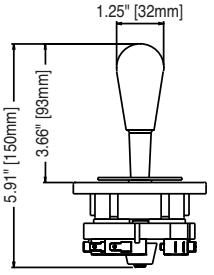
ULTIMATE JOYSTICK

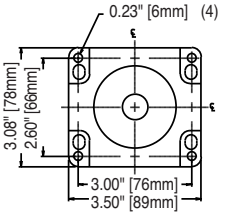
- Precision engineered for the "Ultimate" in game playing feel
- Rugged, yet simple, construction
- Very smooth, spring return-to-center
- Microswitch reliability tested to 10,000,000 cycles
- Adjustable shaft length for metal or wood mounting
- .187" terminal Silver Contact Microswitch Standard
- Gold Contact Microswitch optional



COLOR CODE
XXX = Color
100 = Red
120 = Blue
130 = Green
150 = Yellow
160 = Black



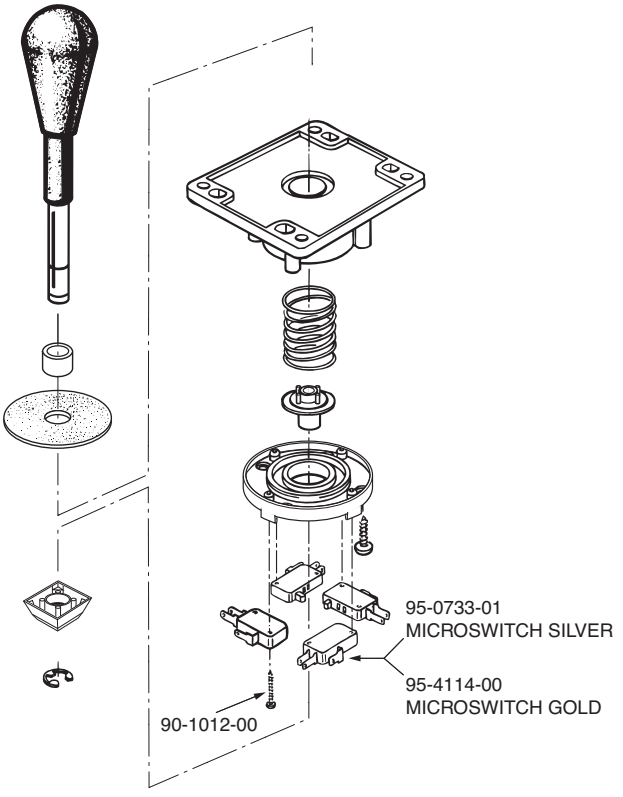
MOUNTING DIMENSIONS



Part Number		Price per ea.	L/25
50-7608-XXX	Ultimate Joystick, 8-way, Microswitch	11.25	9.90
50-7604-XXX	Ultimate Joystick, 4-way, Microswitch	11.25	9.90
50-7602-XXX	Ultimate Joystick, 2-way, Microswitch	11.25	9.90

COMPETITION JOYSTICK

- Fits wood and metal control panels
- Spring return-to-center
- 8-way operation
- Microswitch reliability tested to 10,000,000 cycles
- .187" terminal Silver Contact Microswitch Standard
- Gold Contact Microswitch optional
- 8-way only



MOUNTING DIMENSIONS

COLOR CODE
XXX = Color
100 = Red
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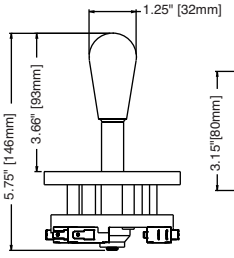
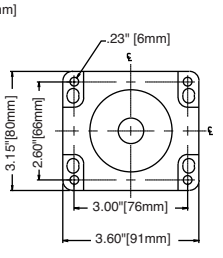
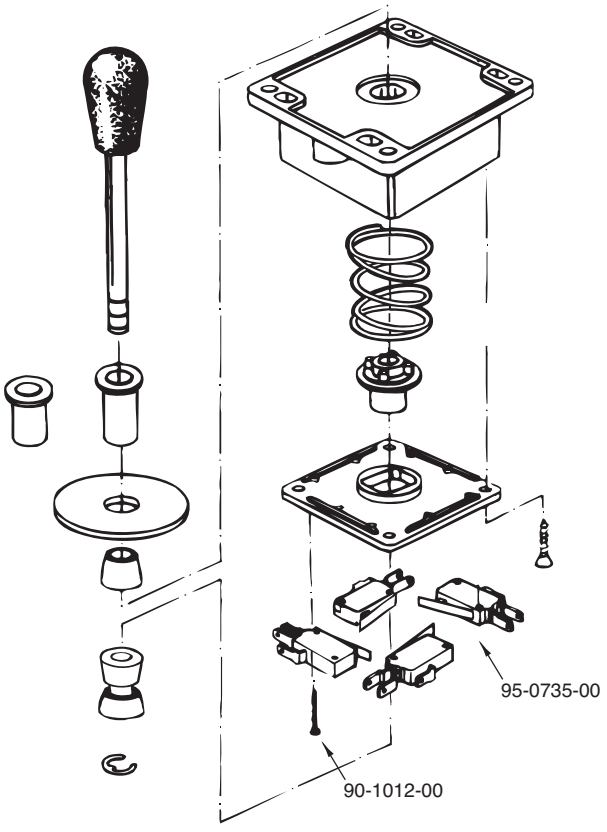




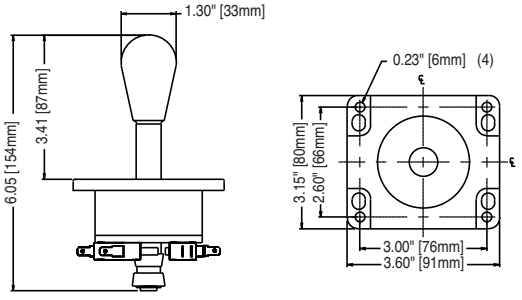
Part Number		Price per ea.	L/25
50-6070-XXX	Competition Joystick, 8-way, Microswitch	14.40	11.75

SUPER JOYSTICK

- Nylon and solid steel construction
- Microswitch reliability tested to 10,000,000 cycles
- Unique handle design
- Spring return-to-center
- Rugged construction, our strongest joystick
- Change actuation to 4-way or 8-way simply by flipping actuator over
- Adjustable shaft length for metal or wood mounting
- .187" terminal Silver Contact Microswitch Standard
- Gold Contact Microswitch optional



MOUNTING DIMENSIONS



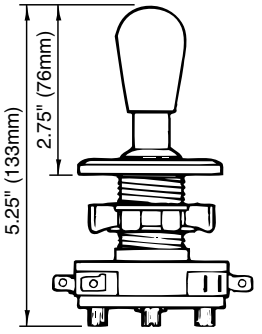
Part Number		Price per ea.	L/25
50-6084-100	Super Joystick (4 & 8-way) Microswitch	15.70	12.95

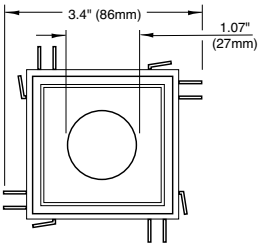
*Available in black knob only

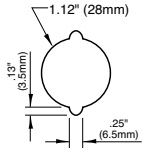
UNIVERSAL JOYSTICK

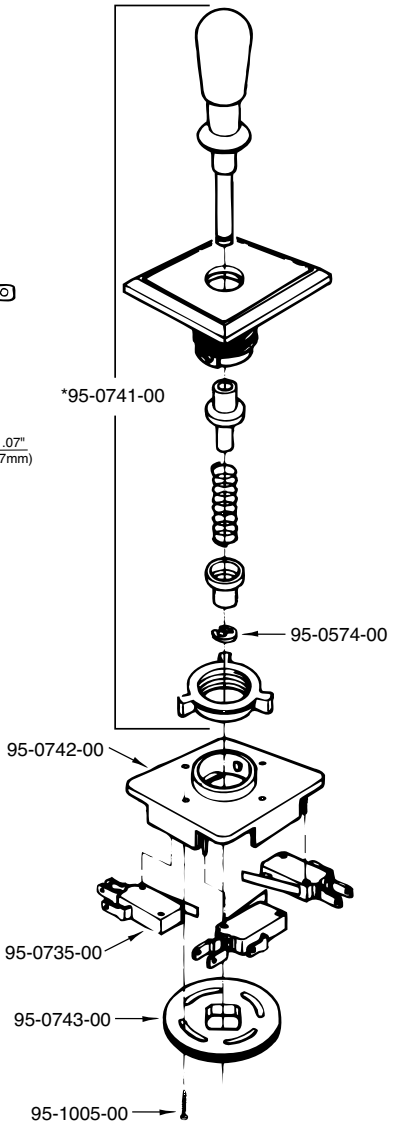
- Simple universal mounting on wood or metal
- 8-way or 4-way, simply reposition base stop
- Low profile knob, molded nylon and steel construction
- Microswitch reliability tested to 10,000,000 cycles
- .187" terminal Silver Contact Microswitch Standard
- Gold Contact Microswitch optional

MOUNTING DIMENSIONS









Part Number		Price per ea.	L/25
50-6048-00	Universal Microswitch Joystick (4 & 8-way)	16.55	15.25

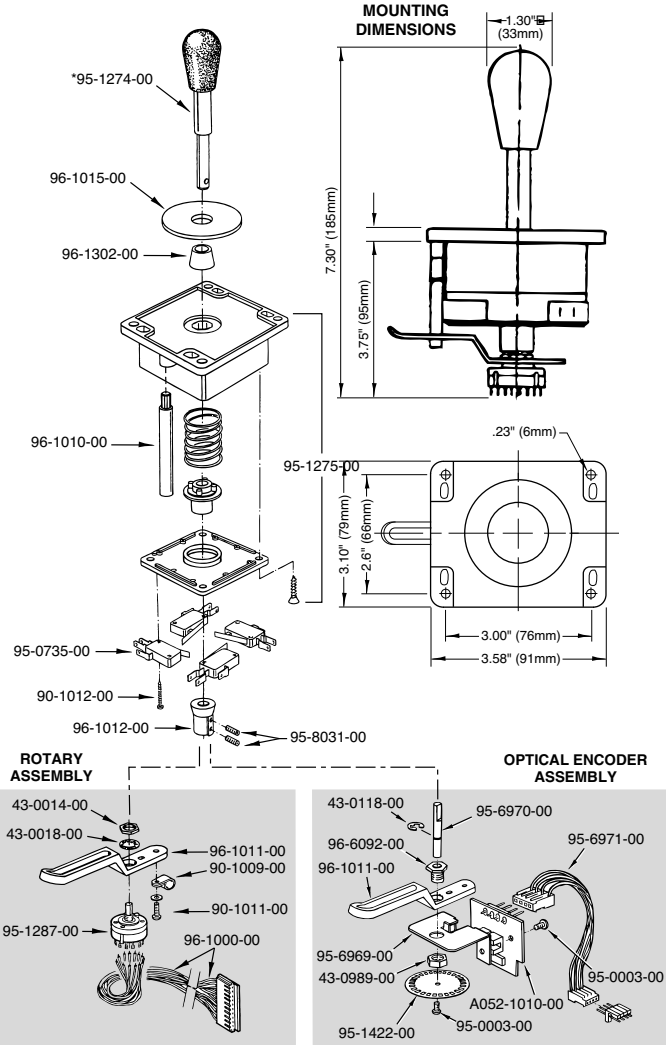
*Available in black knob only

ROTARY & OPTICAL JOYSTICK

- 12 position rotary switch
- "IKARI warrior" game type
- Complete with harness and connector
- 8-way microswitch operation
- Microswitch reliability tested to 10,000,000 cycles
- Available with Optical encoder assembly
- Optical Rotary joystick fits "50 Caliber" and similar games
- .187" terminal Silver Contact Microswitch Standard
- Gold Contact Microswitch optional

50-5618-00

50-5619-00

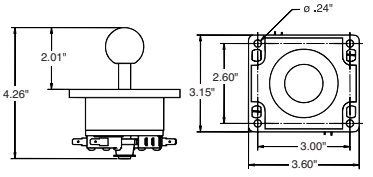


Part Number		Price per ea.	L/25
50-5618-00	8-way Rotary Joystick	46.50	38.80
50-5619-00	8-way Optical Rotary Joystick	51.65	43.95

*Available in black knob only

REPLACEMENT JOYSTICK FOR MS PAC-MAN/GALAGA

- For use within NAMCO 20 Year Reunion MS Pac-Man / GALAGA cabinet
- Nylon and solid steel construction
- Microswitch reliability tested to 10,000,000 cycles
- Round 1.25" red knob offers familiar feel like original
- Spring return-to-center
- Rugged construction
- 4-way action
- For use on metal control panel only
- Shaft size is .394" diameter



Note: This joystick does not have the same mounting plate as the original Pac-Man games

Part Number		Price per ea.
50-6084-1125R	MS Pac-Man/Galaga Joystick	23.55

REPLACEMENT JOYSTICK FOR ORIGINAL PAC-MAN GAMES

- For use within original Pac-Man game cabinets
- Mounts into the original Pac-Man game control panel without any modifications
- Round 1-3/8" red knob offers same feel as the original
- Shaft height is same as original for same feel
- Shaft size is .394" diameter
- Nylon and solid steel construction
- Microswitch reliability tested to 10,000,000 cycles
- Spring return-to-center
- Rugged construction
- 4-way action
- For use on metal control panel only

Part Number		Price per ea.
50-6084-112	Replacement Joystick for Pac-Man Games	69.00

PERFECT 360° ELECTRONIC JOYSTICK

- Photo electronic switching used instead of conventional switches, for long life
- Precise 45 degree and 90 degree 4-way or 8-way operation
- Sensitive response for incredible game control
- Rugged construction
- Bottom of joystick labeled for easy hook-up
- .187" quick-connect terminals

Part Number		Price per ea.	L/12
50-0346-00	Perfect 360° 4-way/8-way Joystick	48.35	47.25

49-WAY JOYSTICK

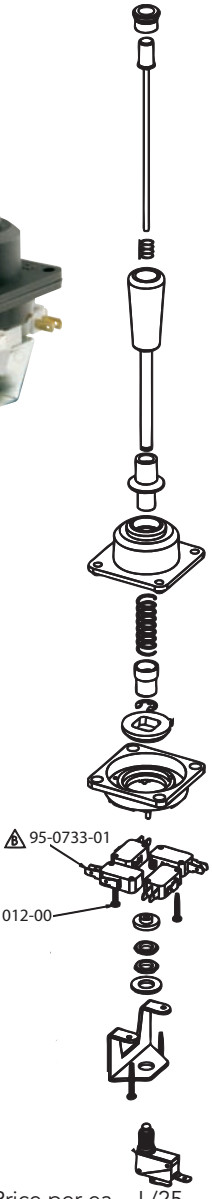
- For Midway NBA Showtime, Blitz, Blitz 99 and Gauntlet games

MIDWAY

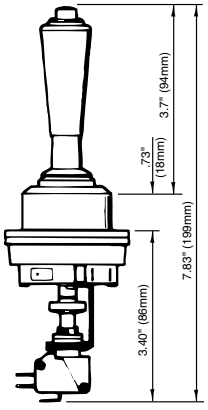
Part Number		Price per ea.
50-3100-00	49-Way Joystick	44.99
5490-10159-00	Replacement IC OPTO	1.35

TOP FIRE BUTTON COMPACT JOYSTICK

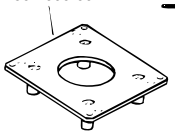
- Nylon and steel construction
- Microswitch reliability tested to 10,000,000 cycles
- Available in 2, 4 or 8 way operation
- Compact size, installs in 2.5 inches
- .187" terminal Silver Contact Microswitch Standard
- Gold Contact Microswitch optional

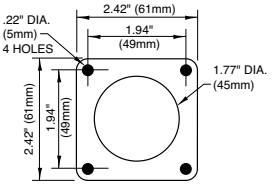


MOUNTING DIMENSIONS



ADAPTER PLATE FOR METAL CONTROL PANEL MOUNTING
50-7000-00

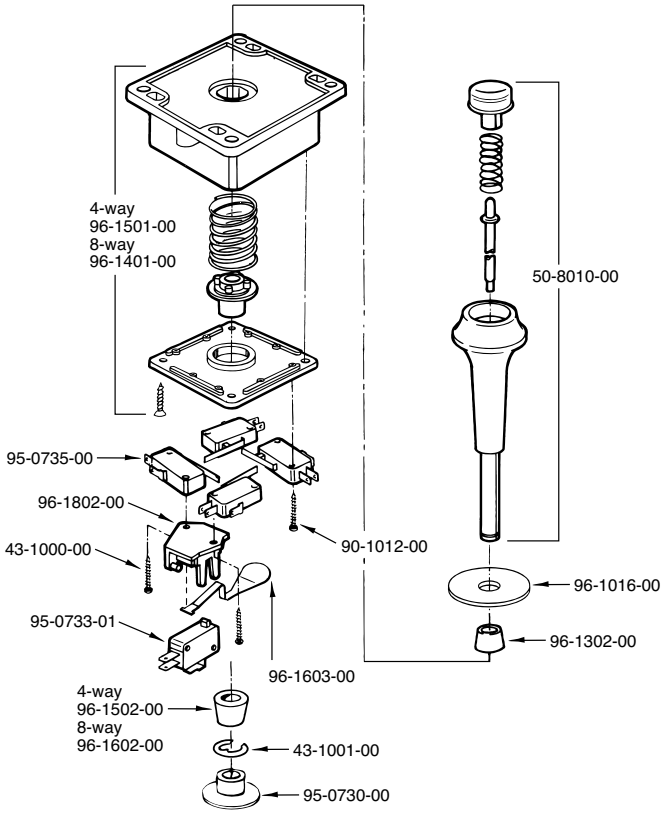




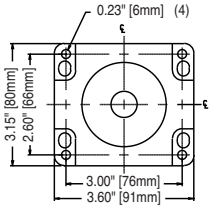
Part Number		Price per ea.	L/25
50-7008-000	8-way Microswitch Joystick w/Fire Button	35.70	33.15
50-7004-000	4-way Microswitch Joystick w/Fire Button	36.75	29.45
50-7000-00	Adapter Plate for Metal Control Panel Mounting	4.05	3.75

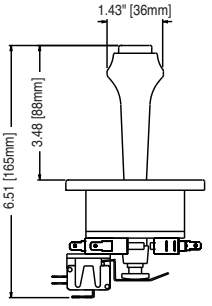
TOP FIREBUTTON SUPER JOYSTICK

- Same rugged construction and smooth operation as Super Joystick
- Microswitch reliability tested to 10,000,000 cycles
- "Flare" style handle for comfortable grip
- Simple, direct, fire button switch action; uses standard microswitch
- Available in 4-way or 8-way
- .187" terminal Silver Contact Microswitch Standard
- Gold Contact Microswitch optional



MOUNTING DIMENSIONS

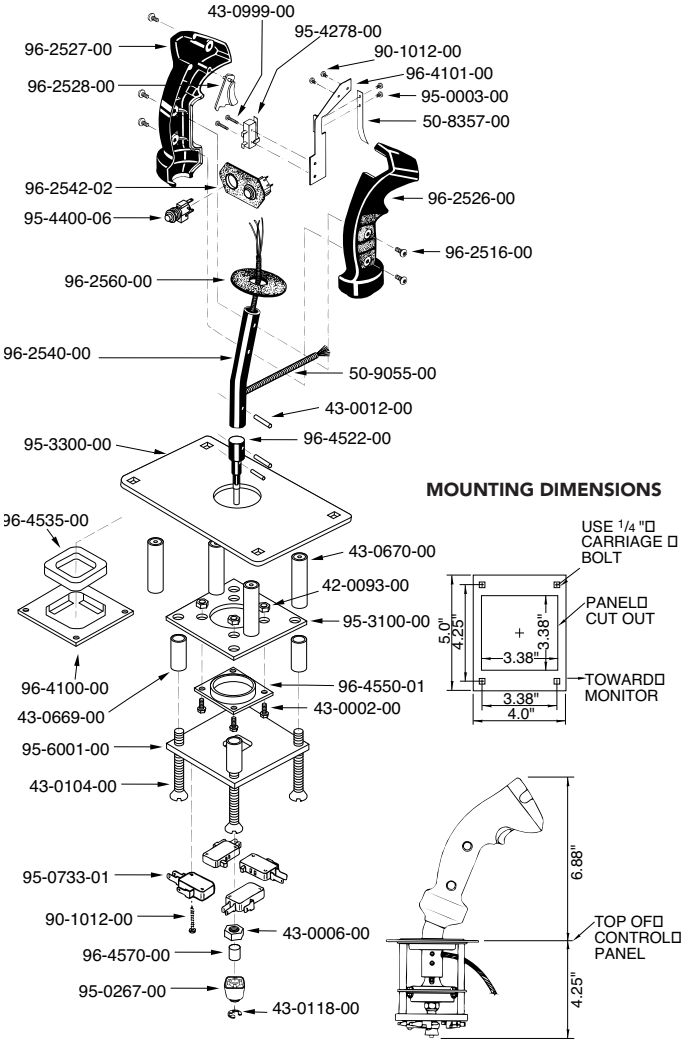




Part Number		Price per ea.	L/25
50-8000-10	8-way Top Firebutton Super Joystick	34.20	30.50
50-4000-10	4-way Top Firebutton Super Joystick	34.20	30.50

HEAVY DUTY 8-WAY TRIGGER JOYSTICK

- Comfortable and attractive, contoured ABS handle
- Rugged construction
- 3 Styles:
  – Trigger only
  – Trigger & single fire button
  – Trigger & 2 fire buttons
- Simple to install



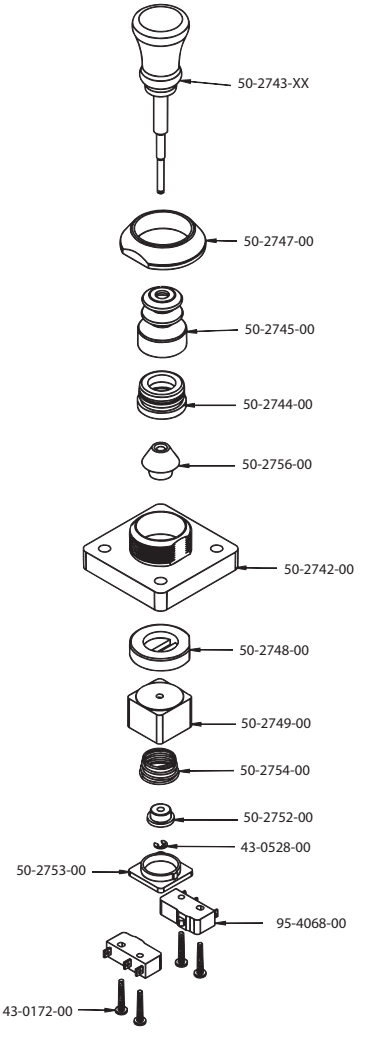
MOUNTING DIMENSIONS

Part Number		Price per ea.	L/6
50-9970-00	H.D. Joystick, Trigger only	114.40	112.30
50-9980-00	H.D. Joystick, w/1 Fire Button	122.30	119.95
50-9975-00	H.D. Joystick, w/2 Fire Buttons	124.40	122.15

See page 164 for Torx® Security Wrench

SUBMINIATURE JOYSTICK

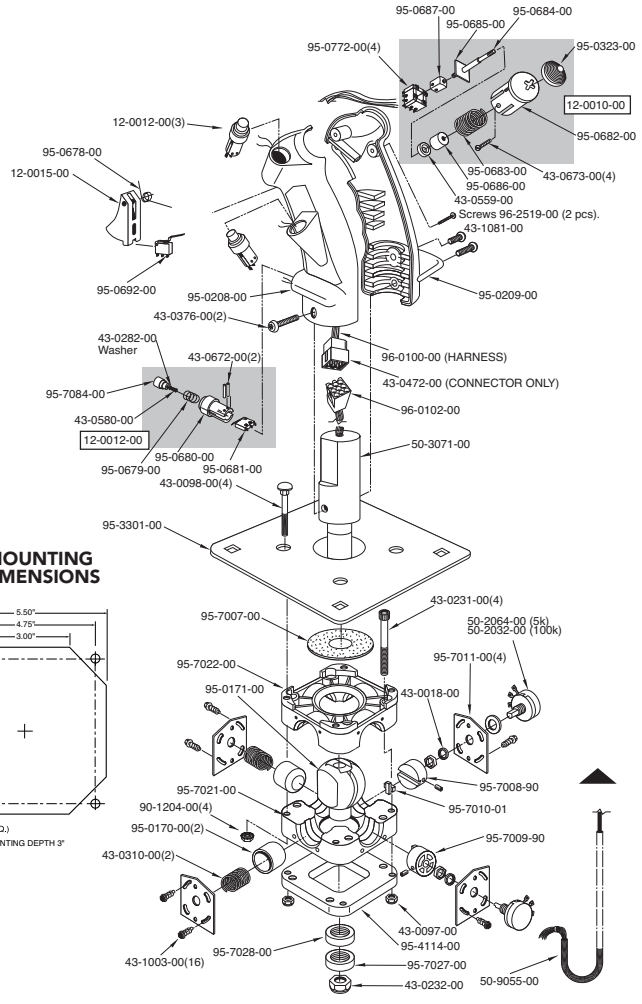
- Rugged construction
- Compact yet gives you the feel of a full size joystick
- 2-way, 4-way or 8-way gated
- Spring return-to-center
- Quality Cherry switches
- Available with Molded Convex or Concave knob and steel shaft
- Rubber boot to help keep out dust and dirt
- Suitable for panel mounting



Part Number		Price per ea.
50-2755-00	2-Way Subminiature Joystick w/Convex Shaft	31.75
50-2755-10	2-Way Subminiature Joystick w/Concave Shaft	31.75
50-2757-00	4-Way Subminiature Joystick w/Convex Shaft	34.55
50-2757-10	4-Way Subminiature Joystick w/Concave Shaft	34.55
50-2760-00	8-Way Subminiature Joystick w/Convex Shaft	36.75
50-2760-10	8-Way Subminiature Joystick w/Concave Shaft	35.45

ANALOG JOYSTICK B-8 GRIP

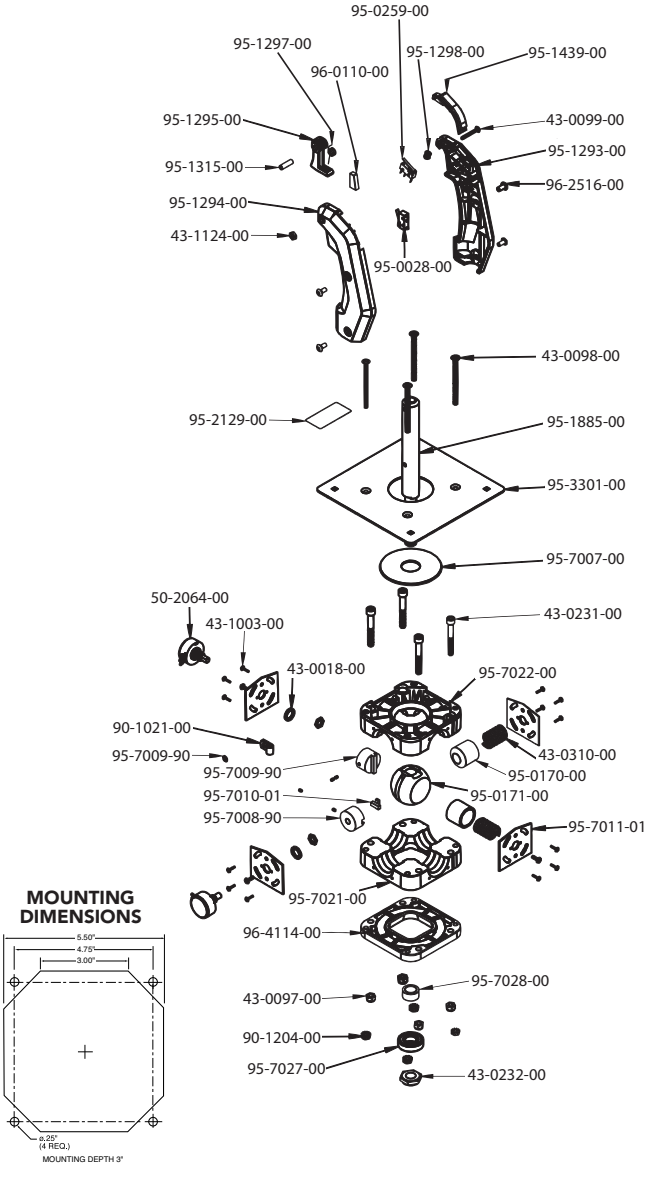
- Rugged construction
- Authentic airplane flight stick (B-8)
- 8 functions on grip (4-way thumbswitch, 4 trigger switches)
- 5k potentiometers fitted as standard
- Optional pot. amplifier PC board allows variable output from potentiometer
- This product is manufactured under a technology license agreement with **Atari Games Corporation**®
- PC Version has 100k S Taper Potentiometers



Part Number		Price per ea.	L/25
95-0251-00	Analog Joystick, B-8 Grip with 5k Potentiometers	203.60	193.10
95-1345-00	Analog Joystick, B-8 Grip with 5k Potentiometers, directly connects to UGCI 95-0800-20K	264.95	224.95
95-0394-00	PC Version, Analog Joystick, B-8 Grip 100k S Taper Potentiometers w/15-Pin Gameport Cable	315.15	300.45

ANALOG JOYSTICK WITH TRIGGER HANDLE

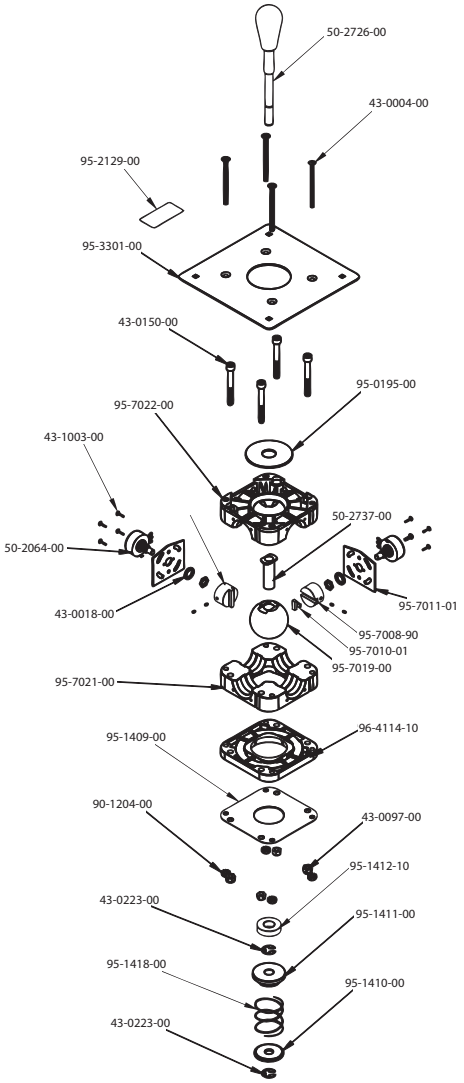
- Rugged construction
- 5k potentiometers fitted as standard (optical encoder version available)
- Microswitch reliability tested to 10,000,000 cycles
- Optional pot. amplifier PC board allows variable output from potentiometer
- This product is manufactured under a technology license agreement with **Atari Games Corporation**®
- PC Version has 100k S Taper Potentiometers



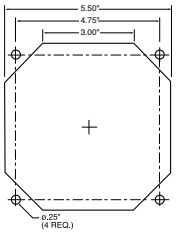
Part Number		Price per ea.	L/6
95-0179-00	Analog Joystick w/Trigger Handle with 5k Potentiometers	208.90	181.10
95-0392-00	Analog Joystick w/Trigger Handle PC Version w 100K S Taper Potentiometers w/15-Pin Gameport Cable	239.55	210.10

ANALOG JOYSTICK WITH ULTIMATE HANDLE

- Very smooth spring return to center
- 3/8" dia. steel shaft
- Rugged construction
- 5k potentiometers fitted as standard
- Optional pot. amplifier PC board allows variable output from potentiometer
- This product is manufactured under a technology license agreement with **Atari Games Corporation®**



MOUNTING DIMENSIONS

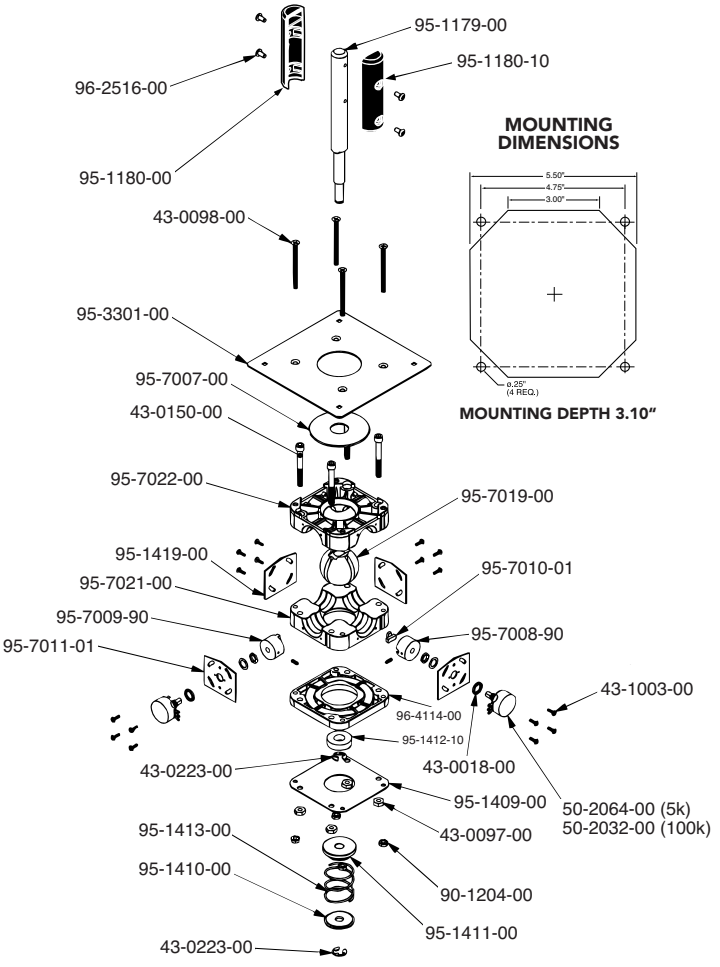


MOUNTING DEPTH 3.10"

Part Number		Price per ea.	L/6
50-2876-00	Analog Joystick w/ Ultimate Handle w/ 5k Potentiometers	130.05	111.30
50-2875-00	Analog Joystick w/Ultimate PC Version w/ 100k S Taper Potentiometers w/15-Pin Gameport Cable	168.70	146.45

ANALOG JOYSTICK WITH STANDARD HANDLE

- Very smooth spring return to center
- Solid aluminum shaft with universal grip handle
- No buttons or triggers
- 5k potentiometers fitted as standard
- Optional pot. amplifier PC board allows variable output from potentiometer
- This product is manufactured under a technology license agreement with **Atari Games Corporation®**
- PC version has 100k S Taper Potentiometers



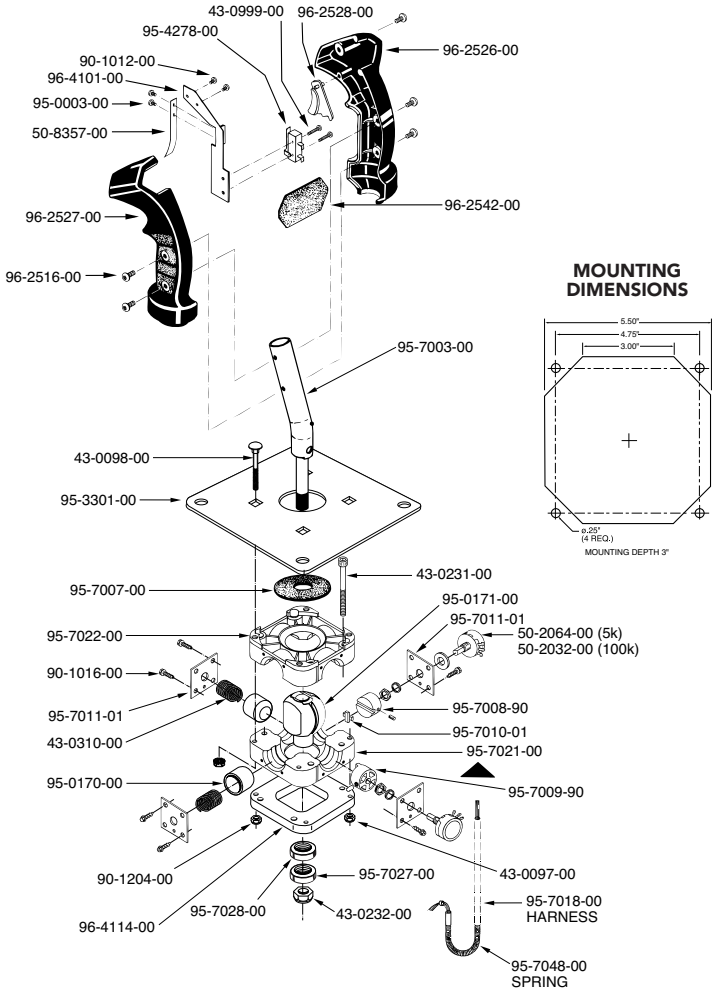
MOUNTING DIMENSIONS

MOUNTING DEPTH 3.10"

Part Number		Price per ea.	L/6
50-2740-00	Analog Joystick w/Standard Handle w5k Potentiometers	153.50	131.15
50-2741-00	Analog Joystick w/ Standard Handle, PC Version, with100k S Taper Potentiometers with 15-Pin Gameport Cable	171.05	146.45

HEAVY DUTY ANALOG TRIGGER JOYSTICK

- Rugged construction
- Comfortable contoured ABS handle
- 5k potentiometers fitted as standard
- Optional pot. amplifier PC board allows variable output from potentiometer
- This product is manufactured under a technology license agreement with **Atari Games Corporation®**
- Optional rubber boot available
- PC Version has 100k S Taper Potentiometers



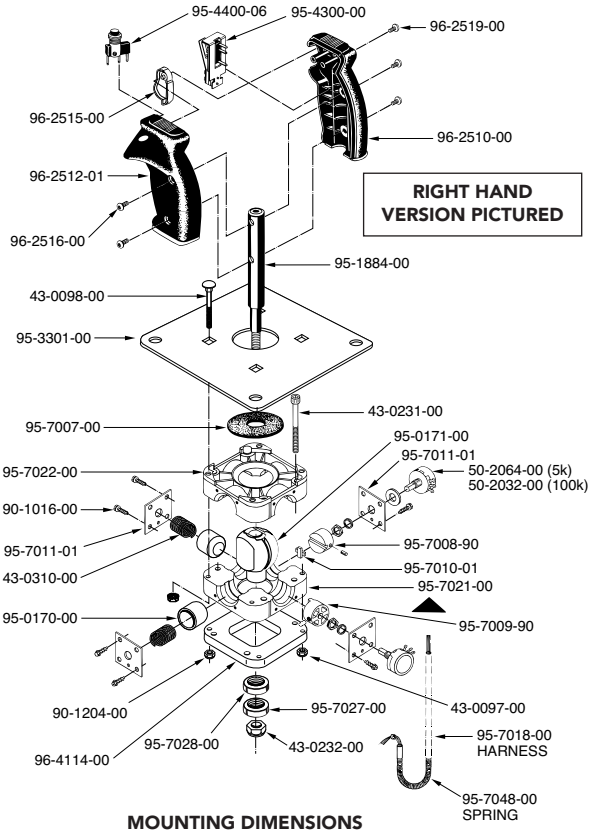
MOUNTING DIMENSIONS

Part Number		Price per ea.	L/6
95-0701-00	Heavy Duty Analog Trigger Joystick with 5k Potentiometers	168.05	168.05
95-0393-00	PC Version, Analog Joystick with Heavy Duty Handle with 100k S Taper Potentiometers w/15-Pin Gameport Cable	168.05	168.05

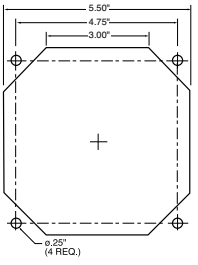
See page 164 for Torx® Security Wrench

ANALOG JOYSTICK

- Rugged construction
- Positive return to center
- 5k potentionmeters fitted as standard
- Optional pot. amplifier PC board allows variable output from potentiometer
- This product is manufactured under a technology license agreement with **Atari Games Corporation®**
- PC version has 100k S Taper Potentiometers



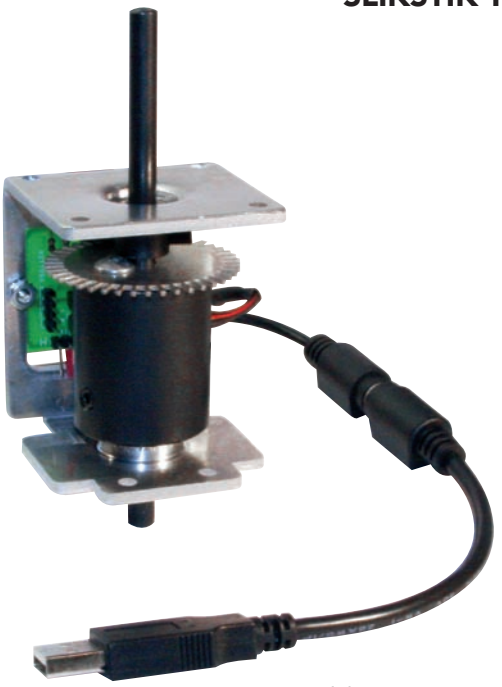
MOUNTING DIMENSIONS



MOUNTING DEPTH 3"

Part Number		Price per ea.	L/6
95-0172-00	Analog Joystick Right hand w/5k Potentiometers	177.30	151.95
95-1347-00	Analog Joystick Right hand w/5k Potentiometers, directly connects to UGCI 95-0800-20K	192.90	177.90
95-0390-00	Analog Joystick Right Hand PC Version w/100k S Taper Potentiometers w/15-Pin Gameport Cable	208.90	183.60

SLIKSTIK TORNADO SPINNER ASSEMBLY



Spinner Assembly

NEW

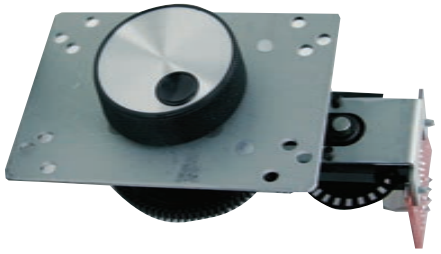
KNOB TYPES

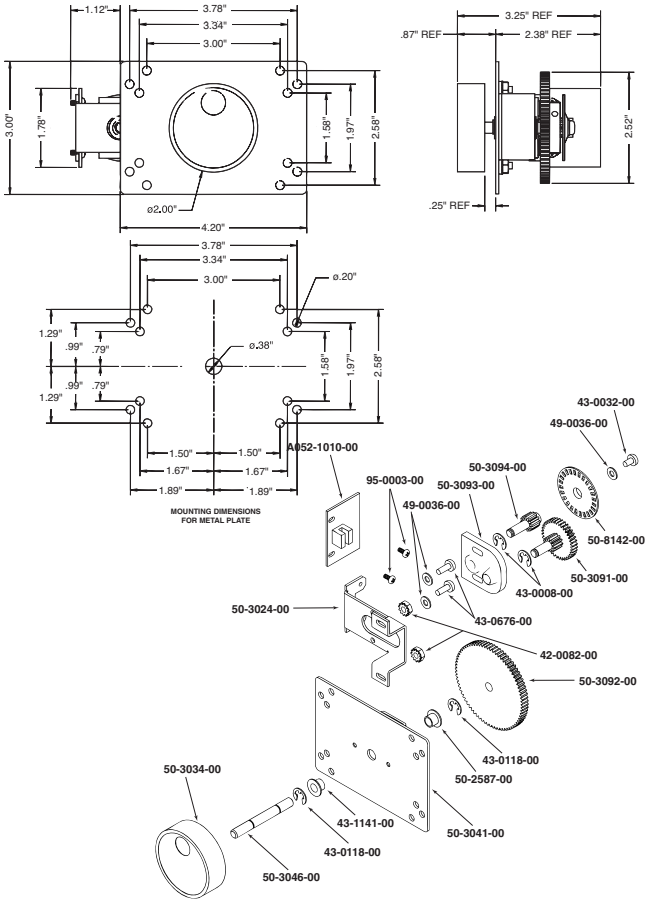
- The Slikstik Tornado spinner is best arcade spinning device in the world
- Designed and fine tuned for optimal play
- Uses fully adjustable 1/4" shaft (By default it is set for 3/4 wood control panels, but can be adjusted for metal controls panels)
- Specialized one-piece bracket design, includes mounting holes and screw driver cutouts which makes for easy installation
- Includes SlikStik's custom designed, (PS/2 or USB) optic PCB that utilizes a dual optical pickup interface, support for 3 mouse buttons and switchable (axis) operation via an onboard jumper
- Dual top and bottom ABEC ball bearings are pressure fit for stability; provide shaft alignment, reduced friction and superior spin times
- Windows, Mac and Linux compatible and has automatic detection (No additional drivers or software is need for installation)
- All cables including PS2 and USB port hookup are included
- 3 different types of spinner knobs available, (Skirted, O-ring and Standard) in 5 different colors (Silver, Red, Blue, Black and Purple)
- When ordering the spinner assembly, you must choose a corresponding spinner knob from the list below

Part Number		Price per ea.
95-2657-00	SlikStik Tornado Spinner Assembly	71.00
Skirted Knob Assemblies		
50-0465-00A	Sliver Knob Assembly	18.95
50-0465-10A	Red Knob Assembly	18.95
50-0465-12A	Blue Knob Assembly	18.95
50-0465-16A	Black Knob Assembly	18.95
50-0465-20A	Purple Knob Assembly	18.95
O-ring Knob Assemblies		
50-3183-00A	Silver Knob Assembly	18.95
50-3183-10A	Red Knob Assembly	18.95
50-3183-12A	Blue Knob Assembly	18.95
50-3183-16A	Black Knob Assembly	18.95
50-3183-20A	Purple Knob Assembly	18.95
Standard Knob Assemblies		
50-3184-00A	Sliver Knob Assembly	18.95
50-3184-10A	Red Knob Assembly	18.95
50-3184-12A	Blue Knob Assembly	18.95
50-3184-16A	Black Knob Assembly	18.95
50-3184-20A	Purple Knob Assembly	18.95

TRACKWHEEL CONTROL

- Replacement control for Arkinoid I and II video games
- With spinner knob

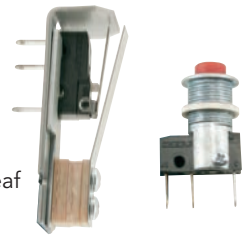




Part Number		Price per ea.
95-0931-00	Trackwheel Control	142.05

THUMB & TRIGGER SWITCH ASSEMBLIES

- With GOLD CHERRY Microswitch
- Thumb Switch Assembly fits 1/2" Ø panel hole up to 3/8" thick
- Thumb Switch Assembly replaces Cherry P163 and Licon switches on many applications
- Trigger Switch Assembly replaces original leaf switch and bracket on games listed above



Part Number		Price per ea.
95-4300-00	Trigger Switch Assembly	10.40
95-4400-00	Thumb Switch Assembly (Red)	11.80
95-4400-06	Thumb Switch Assembly (Black)	11.80
96-2515-00	Trigger, red	3.45
96-2510-00	Outer grip, RH	6.60
96-2512-00	Inner grip, RH (undrilled)	6.60
96-2511-00	Outer grip, LH	6.60
96-2513-00	Inner grip, LH (undrilled)	6.60
96-2519-00	Screw, Outer to Inner for Grip (2 per)	.28
96-2516-00	Screw, Grip Assembly to Tube (4 per)	.52

TAMPER-RESISTANT TORX® WRENCHES

- A must for every toolbox
- Torx is a registered trademark of Camcar Div., Textron Inc.

Part Number		Price per ea.	L/6
49-0452-00	Torx® T-10 Wrench	5.25	4.75
49-0107-00	Torx® T-15 Wrench	6.60	5.95
49-0049-00	Torx® T-20 Wrench	6.60	5.95
49-0048-00	Torx® T-25 Wrench	6.60	5.95
49-0520-00	Torx® T-27 Wrench	6.60	5.95
49-0537-00	Torx® T-30 Wrench	6.60	5.95
49-0538-00	Torx® T-40 Wrench	6.60	5.95

GRIP ASSEMBLIES LEFT HAND & RIGHT HAND

- Fitted with microswitches in thumb and trigger switch
- Long life, 10,000,000 cycle rated

Replacement Parts For:

Bally: "Spyhunter II"
"Sarge"

Taito: "S.C. I."
"Battleshark"

Atari: "Stun Runner"
"Hydra"
"Road Riot"
"Steel Talons"
"Space Lords"

RIGHT HAND

LEFT HAND

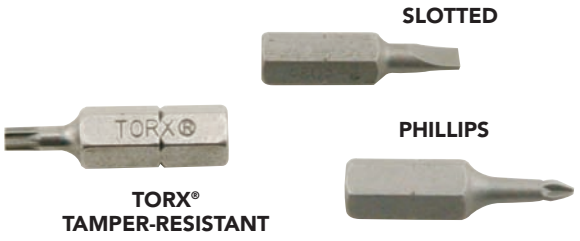
Part Number		Price per ea.
Left Hand Assemblies		
50-2508-00	LH Grip Assembly w/ Thumb Switch	25.35
50-2502-00	LH Grip Assembly w/o Thumb Switch	15.30
Right Hand Assemblies		
50-2507-00	RH Grip Assembly w/ Thumb Switch	25.35
50-2501-00	RH Grip Assembly w/o Thumb Switch	15.30

MAGNETIC SCREWDRIVER

- Industrial quality screwdriver
- Magnetic shank with flip top cap
- 1/4" Hex insert bit
- Includes 4 bits in handle - Phillips #1, #2 and Flat #4 , #6

Part Number		Price per ea.
49-0585-00	7" Magnetic Screwdriver with 4 Bits	9.55
49-0586-00	11" Magnetic Screwdriver with 4 Bits	11.30
92-0035-00	Replacement Screw Cap	1.15

SCREWDRIVER BITS



- Ideal for screw guns, cordless and electric drills
- Tough, fracture-resistant tips
- Made in the U.S.A.
- Torx is a registered trademark of Camcar Div., Textron Inc.

Part Number	Type	Price per ea.
92-0030-00	#0 Phillips	1.45
49-0632-00	#1 Phillips	1.45
49-0633-00	#2 Phillips	1.45
49-0634-00	#3 Phillips	1.45
49-0635-00	#3 - 4 Straight Slotted	2.70
49-0636-00	#5 - 6 Straight Slotted	1.70
49-0574-T10	Torx® T-10 Tamper Resistant Bit	3.30
49-0574-T15	Torx® T-15 Tamper Resistant Bit	3.30
49-0574-T20	Torx® T-20 Tamper Resistant Bit	3.30
49-0574-T25	Torx® T-25 Tamper Resistant Bit	3.30
49-0574-T27	Torx® T-27 Tamper Resistant Bit	3.30
92-0151-00	Torx® T-9 Bit	2.70

TAMPER-RESISTANT TORX® WRENCH SET

- 6-piece set
- Contains one each T-10, T-15, T20, T-25, T-27, T-30

* Torx is a registered trademark of Camcar Div., Textron Inc.

Part Number		Price per ea.
49-0709-00	Tamper-Resistant Torx® Wrench Set	23.65

REPLACEMENT POTS FOR ANALOG JOYSTICKS

50-2064-00 **50-8026-02** **50-2032-00**

Part Number		Price per ea.
50-2064-00	5k S-Taper .750" Shaft	31.50
50-8026-02	5k Standard Taper .750" Shaft	10.45
50-2032-00	100k S-Taper .750" Shaft	27.60

SNAP SWITCHES

- High Cherry quality switch
- 75 gram (standard) actuating force
- .187" or .250" terminal available

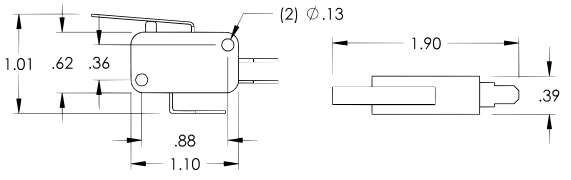
.187 Term. Shown

Part Number	Type	Terminals	Amps	Price per ea.	L/100
95-0733-01	D44	.187"	10	.97	.83
95-4114-00	D41	.187"	0.1	3.45	2.75

SNAP SWITCHES WITH STRAIGHT ACTUATORS

- 10 Amps
- 125 Volts
- .187 terminals

Mounting Dimensions 95-0735-00



Part Number		Price per ea.
95-0735-00	1" Long Actuator	3.15

TAMPER-RESISTANT STAR BIT SET

- For tamper-proof star fasteners
- Tempered, precision-machined tips
- Includes 7 bits: T-10, T-15, T-20, T-25, T-27, T-30, T-40
- Complete with PVC organizer

Part Number		Price per set
49-0710-00	Tamper-Resistant Star Bit Set	4.25

USB GAME CONTROL INTERFACE (UGCI)

Universal Serial Bus (USB) Control Interface Board **UCIB**™ allows Personal computers equipped with USB to easily interface with standard "Arcade Quality" controls from Happ Controls via the USB Port. The device will be automatically configured as soon as it is physically attached, without the need to reboot or run Setup. No drivers necessary to install, only requires a Windows 95/98/ME/2000™/XP CD.

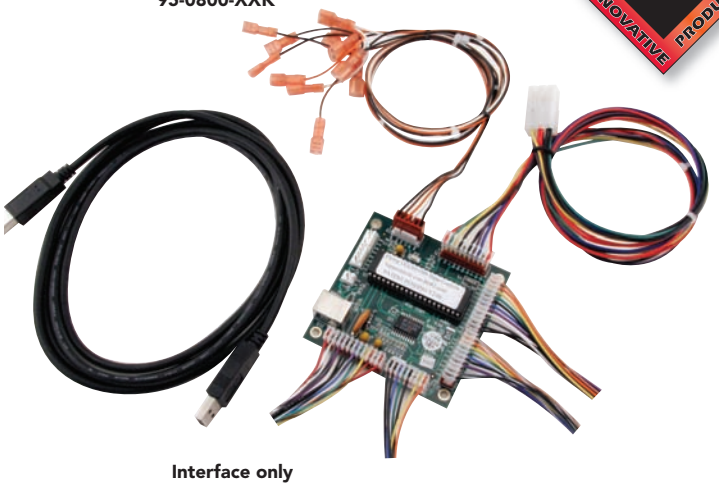
Benefits of utilization of the USB intelligent interface:

- Hot Swapping Capability
- Multiple Peripheral, with use of USB hubs, allows up to 127 different peripherals to be used at one time
- Moves Data at a High Speed
- No separate power supply needed
- Share Peripherals between PC platforms
- Higher Bandwidth than Serial
- Simplicity of use
- Established base of millions of USB computers
- Built-in operating system support for devices

Features of Happ Universal Serial Bus (USB) Game Control Interface Board (UGCI)

- High Performance Universal Serial Bus (USB) IO Channel
- Low cost
- Robust fault tolerant design which is USB HID compliant
- DirectX ready
- WINDOWS 95/98/ME/2K/XP Operating System Ready
- OAAF Compliant
- Seven high speed 8-bit 20 Khz analog channels
- 32 Digital inputs at 10 Khz each
- CPU resource efficient 10 times faster than RS-232 based arcade models
- Supports games running at 120 FPS
- 1.5 Mbytes/Second, 1000 Hz polling frequency for each data packet.
- Plug-And-Play and ACPI Compliant
- Up to two Coin/Bill Counters
- Host CPU Reset watchdog timer
- Mappable keyboard buttons with SDK available online
- 3 Models available to best fit application
- Daughter board available for high current outputs, 96-0746-00
- Supports both trackball and buttons
- Small compact size 3" x 3"
- NOTE: To use the Coin/Bill counters, Watchdog and Player Start buttons require application software to be written for the UGCI. You need to be a member of MSDN (Microsoft Developers Network) and use the MSDN DDK to do this.
- The UGCI is not compatible with MAC OS.

Interface with Harness Kit
95-0800-XXK



Interface only
95-0800-XX

USB UNIVERSAL SERIAL BUS

Part Number		Price per ea.	L/25
95-0800-XXK	USB Game Control Interface (UGCI) With Harness Kit, USB Cable and PCB Mounting Feet (Specify Model)	155.00	135.00
95-0800-XX	USB Game Control Interface Only w/o harnesses (Specify Model)	167.85	157.40
96-0735-00	USB Cable 5' Type A to B	10.40	9.25

Models available:
XX = Model Type
10 = Driving
20 = Flying
30 = Fighting

Models available:(Controls Sold Separately)

Driving USB (95-0800-10) Supports*:

- Steering wheel
- Brake
- Throttle
- 2 Coin/Bill-Counters
- Up to Six Buttons
- Trackball with 3 buttons
- 4-Speed Shifter with Reverse
- 2 Start Buttons
- Host Watchdog Timer

* 270° Pot only, does not support optic wheel

Flying USB (95-0800-20) Supports:

- Analog B-8 Style Joystick, with POV hat
- Rudder Pedal
- Throttle
- Trackball with 3 buttons
- 2 Coin/Bill-Counters
- 2 Start Buttons
- Host Watchdog Timer
- 4 Select Buttons

Fighting USB (95-0800-30) Supports:

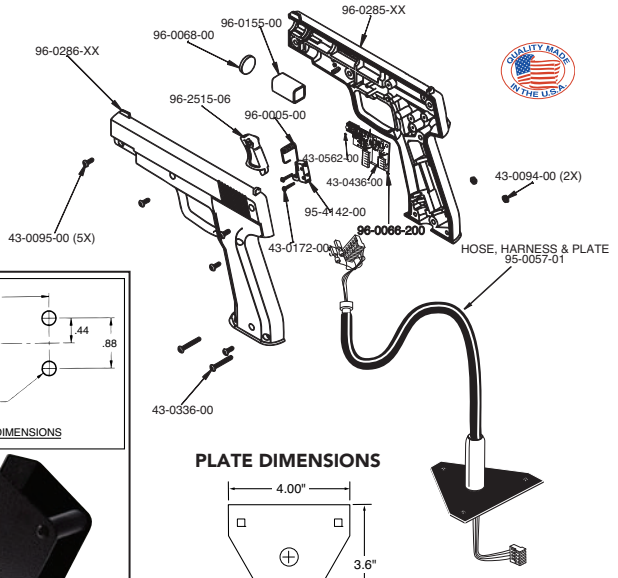
- Two Eight Position Digital Joysticks
- Six Buttons for each Joystick (seven for JS1)
- Trackball with 3 Buttons
- 2 Coin/Bill Counters
- Host Watchdog Timer
- 4 Select Buttons
- 2 Start Buttons

USB UNIVERSAL SERIAL BUS

45 CAL. OPTICAL GUN

- **Made in the U.S.A.**
- Utilizes the Type II gun halves
- New optic PCB has innovative optic can holder that securely holds the optic in place and prevents breakage of optic legs due to shock
- Includes Durable Gun Tip Protector
- Easier disassembly and assembly of gun via brass inserts inside gun, no nuts
- **Durable rubber hose**
- Innovative "inductorless" optic sensor board for increased reliability and accuracy
- Overall length of hose is 44"
- Will replace industry standard guns
- Reliable GOLD contact microswitch used on trigger switch
- Gun holster also available (96-0750-16)
- Mounting plate to hose connection swivels
- Various colors available

ACCEPT NO SUBSTITUTES



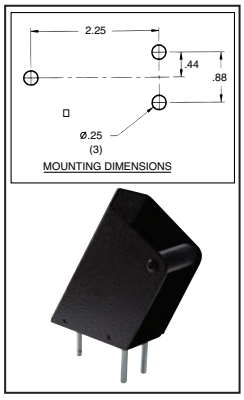
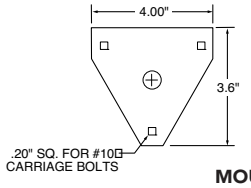
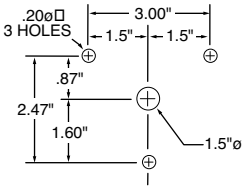


PLATE DIMENSIONS



MOUNTING DIMENSIONS



Gun Holster (P/N 96-0750-16)
For use with optical gun

COLOR CODE

XX = Color

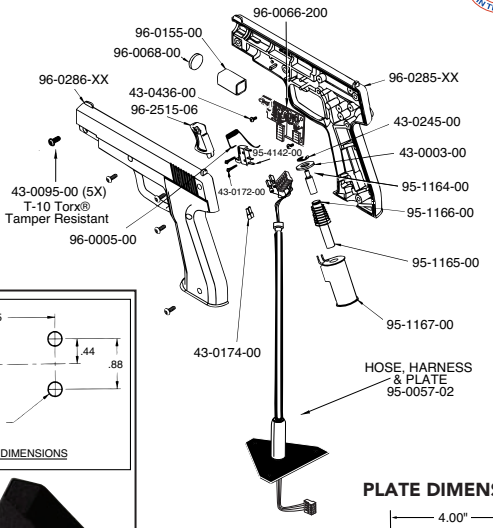
10 = Red	12 = Blue
13 = Green	17 = Orange
20 = Deep Purple	112 = Baby Blue
119 = Pink	

Part Number		Price per ea.	L/10
96-2300-XX	45 Cal. Happ Optical Gun Assembly w/Rubber Hose	73.50	63.00
96-2300-XXSG	45 Cal. Happ Optical Gun Assembly w/Rubber Hose for Sega Virtua Cop (USA Version)	99.80	94.50
96-2302-XX	45 Cal. Happ Optical Gun Assembly w/Rubber Hose w/Atari Area 51 & Maximum Force Adapter	73.50	63.05
96-0750-16	Gun Holster, Black	21.00	18.80

45 CAL. OPTICAL GUN WITH RECOIL

- **Made in the U.S.A.**
- Solenoid inside of gun activates to provide realistic feel
- Driver circuitry required to operate solenoid
- Solenoid ON time: 35ms 10% duty cycle, +24vdc (3 Amps Max)
- Utilizes the Type II gun halves
- Includes Durable Gun Tip Protector
- New optic PCB has innovative optic can holder that securely holds the optic in place and prevents breakage of optic legs due to shock
- Easier disassembly and assembly of gun via brass inserts inside gun
- Innovative "inductorless" optic sensor board for increased reliability and accuracy
- **Durable rubber hose**
- Overall length of hose is 44"
- Reliable GOLD contact microswitch used on trigger switch
- Gun holster also available (96-0750-16)
- Mounting plate to hose connection swivels
- Optional button function can be added
- Various colors available

ACCEPT NO SUBSTITUTES



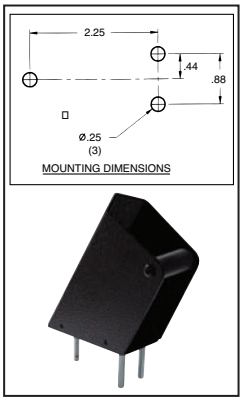
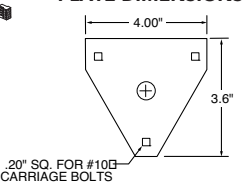


PLATE DIMENSIONS



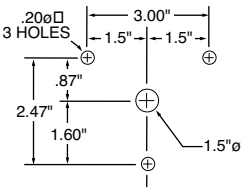
Gun Holster (P/N 96-0750-16)
For use with optical gun

COLOR CODE

XX = Color

10 = Red	12 = Blue
13 = Green	17 = Orange
20 = Deep Purple	112 = Baby Blue
119 = Pink	

MOUNTING DIMENSIONS



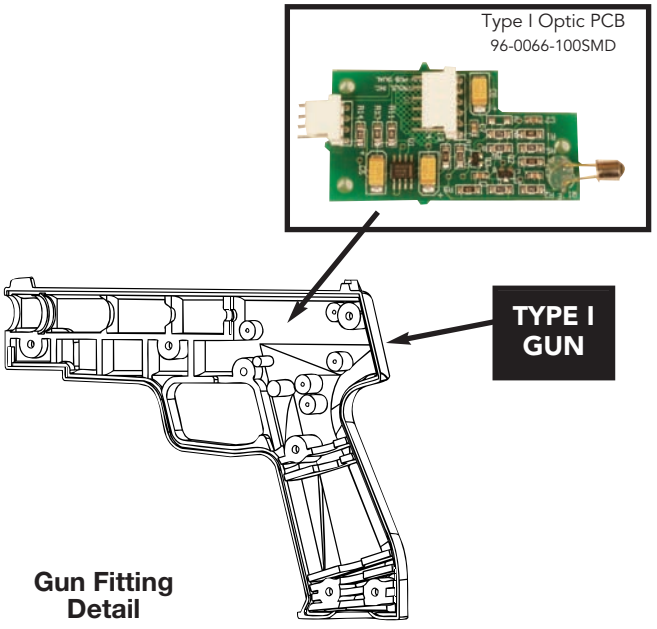
Part Number		Price per ea.	L/10
96-2700-XX	45 Cal. Happ Optical Gun Assembly with Recoil	89.30	78.80
96-0750-16	Gun Holster, Black	21.00	18.80

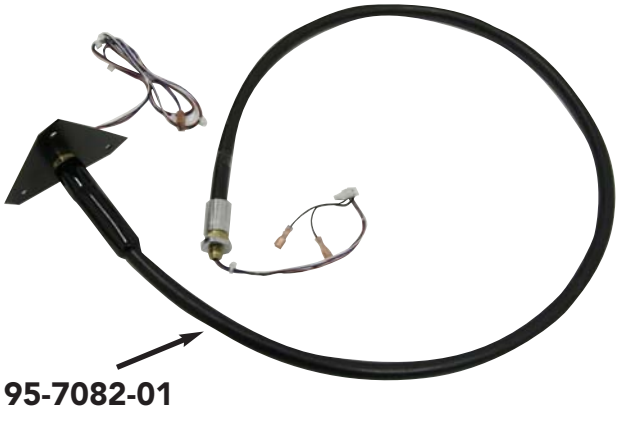
RUBBER REPLACEMENT HOSES FOR OPTIC GUN

ORIGINAL OPTIC GUN TYPE I

Rubber Hose Replacement For TYPE I

NOTE: As of March 30, 2001 Type I gun halves were discontinued



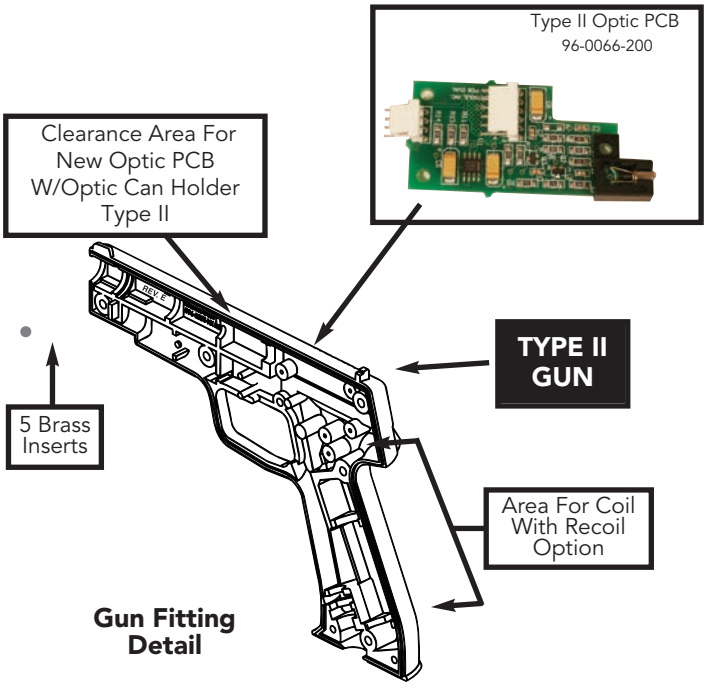


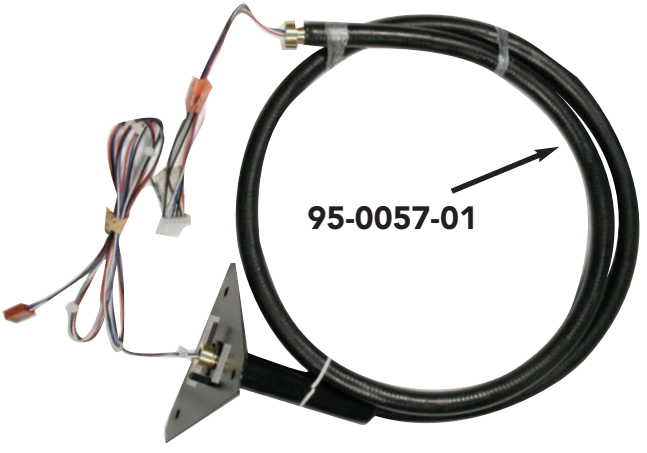
- Allows worn rubber or steel hoses from Type I guns to be replaced
- Includes hose, harness and black triangle mounting plate

Part Number		Price per ea.	L/6
95-7082-01	Rubber Hose Replacement for Type I Guns	61.50	57.85

NEW OPTIC GUN WITH RECOIL OPTION TYPE II

Rubber Hose Replacement For TYPE II


Type II Optic PCB
96-0066-200
Clearance Area For New Optic PCB W/Optic Can Holder Type II
TYPE II GUN
5 Brass Inserts
Area For Coil With Recoil Option
Gun Fitting Detail

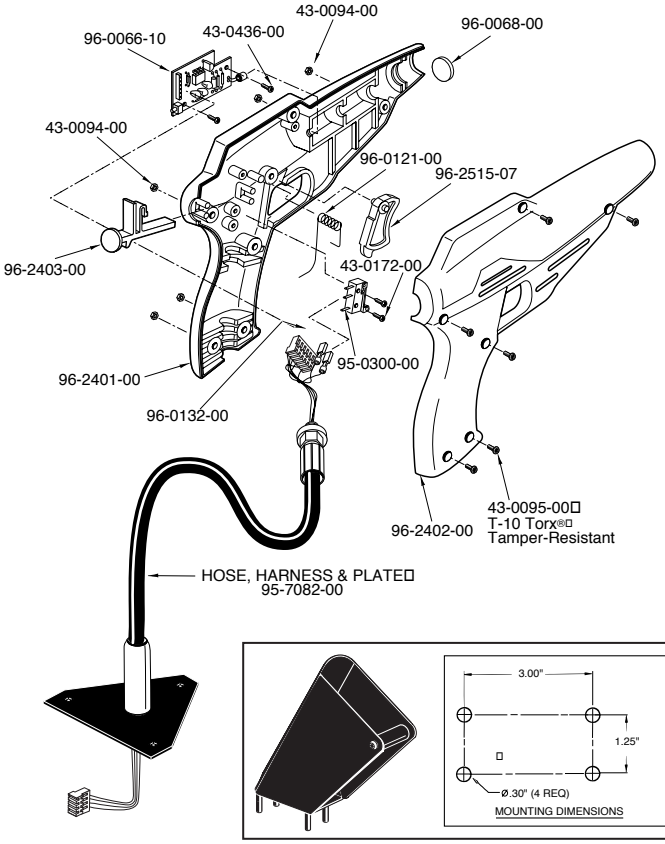


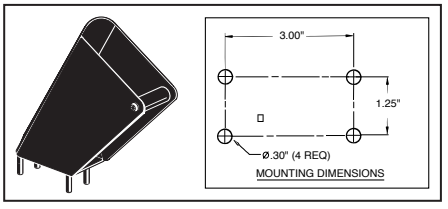
- Allows worn rubber or steel hoses from Type II guns to be replaced
- Includes hose, harness and black triangle mounting plate
- Available in 4-Wire (guns w/o coil) or 7-Wire versions (guns w/coil)

Part Number		Price per ea.	L/6
95-0057-01	Rubber Hose Replacement for Type II Guns – 4-Wire	42.00	42.00
95-0057-02	Rubber Hose Replacement for Type II Guns – 7-Wire	64.40	60.40

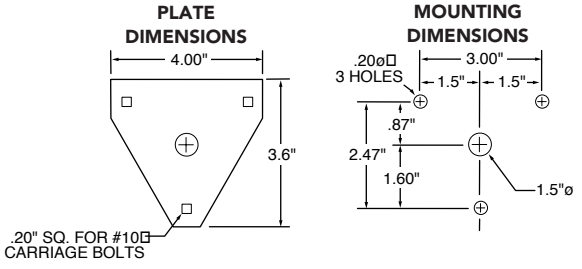
SPACE GUN

- **Made in U.S.A.**
- High quality electronic component technology to ensure accuracy and dependability
- **Now with durable rubber hose**
- Overall length of hose is 44"
- Second function button (start, fire, etc.) at rear of gun
- Mounting plate to hose connection swivels
- Reliable GOLD contact microswitch used on trigger switch
- Green gun, orange button and trigger





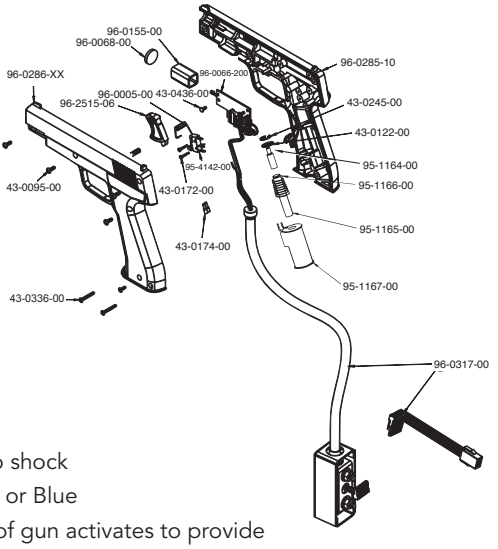
Gun Holster (P/N 96-0125-00)
For use with optical gun



Part Number		Price per ea.	L/6
96-2405-00	Green Space Gun Assembly	193.75	187.35
96-0125-00	Gun Holster for Space Gun, Black	18.90	15.75

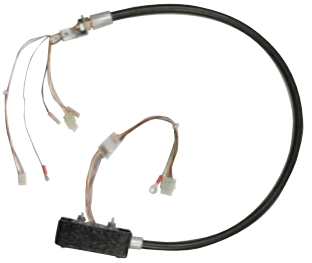
OPTICAL RECOIL GUN CONVERSION KIT

- **Made in U.S.A.**
- Kit includes all items necessary to utilize Happ Controls Recoil Optical Gun on Namco Ninja Assault, Time Crisis I, Time Crisis II, Time Crisis III and Point Blank
- To install, simply remove old original Namco Gun and install mounting plate to control panel and plug into existing cabinet gun harness
- **Now with durable rubber hose**
- Utilizes the New Type II gun halves
- Easier disassembly and assembly of gun via brass inserts inside gun, no nuts
- New optic PCB has innovative optic can holder that securely holds the optic in place and prevents breakage of optic legs due to shock
- Gun colors: Red or Blue
- Solenoid inside of gun activates to provide realistic feel
- Utilizes standard Happ gun parts for Lens, Trigger, Switch & PCB
- Reliable GOLD contact microswitch used on trigger switch
- Innovative "inductorless" optic sensor board for increased reliability and accuracy



Part Number		Price per ea.	L/10
96-2700-10TC	Red Recoil Optical Gun Conversion Kit w/Rubber Hose	147.05	141.80
96-2700-12TC	Blue Recoil Optical Gun Conversion Kit w/Rubber Hose	147.05	141.80

REPLACEMENT HOSE ASSEMBLY FOR NAMCO

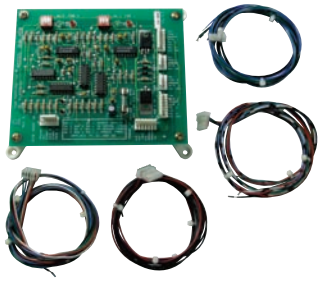


- **Now with durable rubber hose**
- Replaces the original hose assembly utilized on Namco Ninja Assault, Time Crisis I, Time Crisis II, Time Crisis III and Point Blank Guns
- Specialized design to provide increased strength over original design hose

To install, simply remove old original Namco Gun hose and install new hose assembly

Part Number		Price per ea.
96-0546-00	Replacement Hose Assembly for NAMCO	169.95

45 CAL. RECOIL OPTICAL GUN KIT



- **Made in U.S.A.**
- Utilizes the new Type II gun halves
- Allows Recoil gun action to be added to Non-Recoil games currently utilizing standard optical guns to give your earnings a "Kick"
- New Optic PCB has innovative optic can holder that securely holds the optic in place and prevents breakage of optic legs due to shock.
- Innovative "inductorless" optic sensor board for increased reliability and accuracy
- **Now with durable rubber hose**
- Easier disassembly and assembly of gun via brass inserts inside gun
- Overall length of hose is 44"
- Will replace industry standard guns
- Utilizes standard Happ gun parts for Lens, Trigger & Switch
- Reliable GOLD contact microswitch used on trigger switch
- Mounting plate to hose connection swivels
- Easy to install

Note: For Time Crisis I and II, Time Crisis III use 96-2700-10TC (Red) or 96-2700-12TC (Blue). These will directly replace the original Time Crisis guns.

Kit Includes
- Red 45 Cal. Recoil Gun
- Blue 45 Cal. Recoil Gun
- Recoil Control PCB harnesses
- 24v Power Supply
- (2) "Recoil Gun Gives Your Gameplay a Kick!"decals
- Instructions

Will work on the following gun games;
Area 51
Egg Venture
House of the Dead
Lethal Enforcers 1 & 2
Maximum Force
Point Blank
Police Trainer
Virtua Cop 1 & 2
Zero Point and Others

Part Number		Price per ea.	L/6
96-2700-RBKIT	45 Cal. Recoil Optical Gun Kit w/Rubber Hoses	288.95	257.40

OPTICAL GUN HALVES & PCB UPDATE KIT

- Update standard 45 Cal. optical guns to utilize the newest handle (Type II) and optic PCB design
- New handles have NO nuts, so disassembly and assembly of gun is easier. Threads are molded in the right hand side of the gun
- New optic PCB has innovative optic can holder that securely holds the optic in place and prevents breakage of optic legs due to shock
- Innovative "inductorless" optic sensor board for increased reliability and accuracy
- Kit contains the following items
  - Left plastic gun half (Type II) 96-0286-XX
  - Right plastic gun half (Type II) 96-0285-XX
  - New optic PCB with optic can holder 96-0066-200
  - Optic PCB screws (2) 43-0436-00, (1) 43-0562-00
  - Gun handle screws (5) 43-0095-00

Note: This update kit will only work with steel hoses or Type II rubber hoses. It will NOT work with Type I rubber hoses

Part Number		Price per ea.
96-2600GK-10	Red Optical Gun Halves & PCB Update Kit	49.25
96-2600GK-12	Blue Optical Gun Halves & PCB Update Kit	49.25

OPTICAL GUN HALVES UPDATE KIT

- Updated Type II 45 Cal. Optical guns
- Base of Handle now has three screws vs. only one in the original design
- The diameter of the internal bosses and chamfers has been increased for increased strength and durability
- The Wall thickness within the "recoil" solenoid area has been increased for improved strength
- The new improved version is identified by Revision "E" or higher. You can find this molded on the inside of the plastic gun halves
- Will not work with older Type I rubber hoses
- Kit contains the following items
  - -Left plastic gun half (Revised Type II) 96-0286-XX
  - -Right plastic gun half (Revised Type II) 96-0285-XX
  - -Gun handle screws (5) 43-0095-00
  - -Gun handle screws (2) 43-0336-00
  - -Gun handle nuts (2) 43-0094-00

Part Number		Price per ea.
96-0405-10K	Red Type II Optical Gun Halves Kit	34.75
96-0405-12K	Blue Type II Optical Gun Halves Kit	34.75
96-0405-13K	Green Type II Optical Gun Halves Kit	30.60
96-0405-17K	Orange Type II Optical Gun Halves Kit	30.60
96-0405-20K	Deep Purple Type II Optical Gun Halves Kit	30.60
96-0405-112K	Light Blue Type II Optical Gun Halves Kit	30.60
96-0405-119K	Pink Type II Optical Gun Halves Kit	30.60

GUN KIT FOR 29" BIG BUCK HUNTER OPTICAL PUMP ACTION SHOTGUN

NEW

- Contains: One 29" left gun half and one 29" right gun half
- Color: orange
- Made in USA

Part Number		Price per ea.
96-0455-00	Gun Kit for 29" Big Buck Hunter Optical Pump Action Shotgun	45.70

REPLACEMENT GUN HALVES FOR SEGA GHOST SQUAD

NEW

Part Number		Price per ea.
CTF-2101-00	Gun Half for Sega Ghost Squad (Left)	54.40
CTF-2102-01	Gun Half for Sega Ghost Squad (Right)	149.99

GUN HALF KIT FOR SEGA EXTREME HUNTING

NEW

Part Number		Price per ea.
96-0728-100	Gun Half Kit for Sega Extreme Hunting	54.99

SEGA 28" PUMP ACTION SHOTGUN WITH SPEAKER

NEW

- Used on Extreme Hunting 2 games
- Genuine Sega replacement part

Part Number		Price per ea.
99-50-324	Sega 28" Pump Action Shotgun w/Speaker	269.95

REPLACEMENT GUN HALVES FOR SEGA

NEW

- Original factory replacements
- Used on most Sega gun games
- Available in red and blue
- Set includes left and right gun half

Part Number		Price per ea.
2535-5408	Sega Gun Half Set Red	19.78
2535-5407	Sega Gun Half Set Blue	19.78

SEGA UNIVERSAL GUN KIT

NEW

- Original OEM replacement
- Each includes one complete gun with one spare set of gun halves
- Used on House of Dead 2, Lost World Jurassic Park and Confidential Mission

Part Number		Price per ea.
999-0836	Sega Universal Gun Kit	489.99

SPEAKER FOR SEGA 28" SHOTGUN

NEW

- Used on Extreme Hunting 2 Shotgun

Part Number		Price per ea.
130-5262P	Speaker for Sega 28" Shotgun	21.95

SEGA OPTICAL GUN HARDWARE KIT

NEW

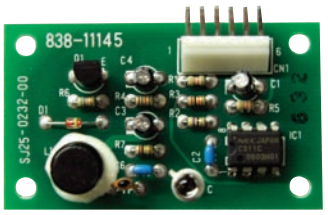
- Kit contains the nuts and screws that will assemble most Sega optical guns

Part Number		Price per ea.
999-1486	Sega Optical Gun Hardware Kit	6.29

OPTIC GUN BOARD FOR SEGA

NEW

- Original OEM replacement
- Used on Virtua Cop and House Of Dead 1

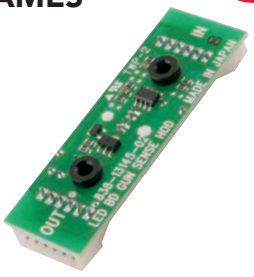


Part Number		Price per ea.
838-11145	Optic Gun Board For Sega	49.30

LED GUN SENSE BOARD FOR SEGA GAMES

NEW

- This sensor board is used games around the monitor to sense the gun position in Sega
- Used on the following games: Lost World & House of Dead 2
- 12 per game



Part Number		Price per ea.
838-13145	LED Gun Sense Board for Sega Games	44.99

SEGA GUN SENSOR BOARD FOR 28" SHOTGUN

NEW

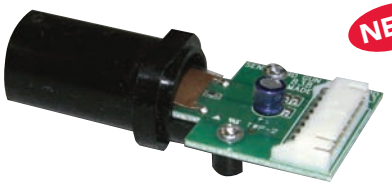
- Used on Extreme Hunting 2

Part Number		Price per ea.
837-14592	Sega Gun Sensor Board for 28" Shotgun	54.99

SEGA OPTICAL GUN SENSOR BOARD

- Used on Lost World and House of Dead

NEW



Part Number		Price per ea.
JPT-2030	Sega Optical Gun Sensor Board	205.95

REPLACEMENT PARTS FOR UNIVERSAL OPTICAL GUN BOARD

L14G1

96-0122-00

Part Number		Price per ea.	L/10
L14G1	Photo Transistor Sensor	10.55	10.05
96-0122-00	Inductor, 5.6 Millihenry	6.50	6.25

UNIVERSAL OPTIC GUN BOARDS

Type I

96-0066-100SMD

Type II

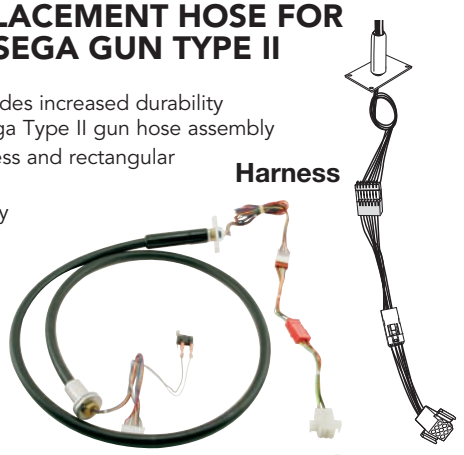
96-0066-200

- New surface mount design
- Universal PCB design allows one PCB to be used for both 4-Pin and 6-Pin applications
- New innovative "Inductorless" circuit design for increased reliability
- Direct replacement for Happ and Atari optic guns
- Type I Optic PCB has legs of optic sensor glued to aid in shock absorption
- New Type II Optic PCB has innovative optic can holder that securely holds the optic in place and prevents breakage of optic legs due to shock

Part Number		Price per ea.	L/10
96-0066-100SMD	Universal Optic Gun Board (Type I)	38.15	31.75
96-0066-200	Universal Optic Gun Board with Optic Holder (Type II)	28.35	24.15

REPLACEMENT HOSE FOR SEGA GUN TYPE II

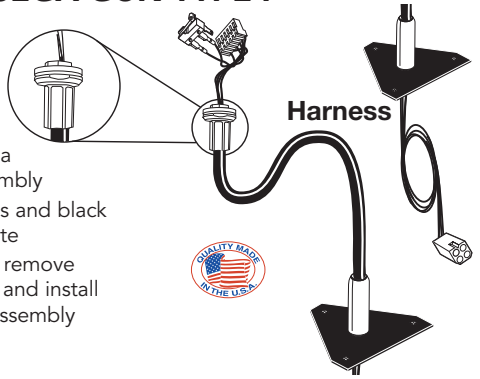
- Special design provides increased durability over the original Sega Type II gun hose assembly
- Includes hose, harness and rectangular mounting plate
- Easy to install, simply remove the original assembly and install the new Happ hose assembly
- Made in USA



Part Number		Price per ea.
95-1600-00	Replacement Hose For Sega Gun Type II	99.50

REPLACEMENT HOSE FOR SEGA GUN TYPE I

- Special design provides increased durability over the original Sega Type I gun hose assembly
- Includes hose, harness and black triangle mounting plate
- Easy to install, simply remove the original assembly and install the new Happ hose assembly
- Made in USA



Part Number		Price per ea.
95-1595-00	Replacement Hose For Sega Gun Type I	144.95

NAMCO GUN LENS

- Original NAMCO lens
- Used on Time Crisis I, Time Crisis II and Point Blank

Part Number		Price per ea.
PB09-296-426	NAMCO Gun Lens	47.20

CCD CAMERA ASSEMBLY FOR NAMCO & KONAMI GUNS

NEW

- Used on the following games: Namco Crisis Zone, Konami Hurricane and Terraburst

Part Number		Price per ea.
CZ-37-09328-00	CDC Camera Assembly for Namco & Konmai Guns	343.10

REPLACEMENT SOLENOID ASSEMBLY FOR NAMCO RECOIL GUNS

NEW

- This robust design will virtually eliminate service calls related to solenoid failure
- Slight modification of original gun halves required and the new unit simply fits into place
- 24vdc solenoid plug compatible
- For use in Time Crisis I, II, III, and Point Blank
- Made in USA

Part Number		Price per ea.
96-0452-00	Replacement Solenoid Assembly for Namco Recoil Guns	164.95

REPLACEMENT HOSE FOR KONAMI MOCAP BOXING

- Special design provides increased durability over the original Konami assembly
- Includes hose, harness and swivel assembly
- Easy to install, simply remove the original hose assemblies and install the new Happ assemblies
- Proudly made in the USA with durable rubber

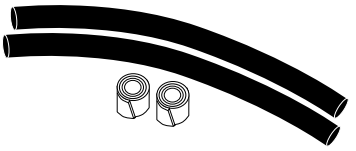
Part Number		Price per ea.
95-1845-00	Replacement Hose for Mocap Boxing	155.00

METAL NOSE GUARD FOR NAMCO RECOIL GUNS

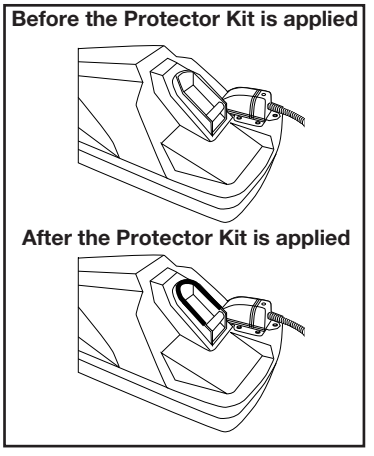
- Stop replacing those broken gun halves
- Protect and extend the life of your plastic gun halves by simply installing this durable stainless steel nose guard
- Comes with longer screw and nut required for installation
- For use in Time Crisis I, II, III, and Point Blank
- Recommend use of Loc-Tite on new screw and nut
- Made in USA

Part Number		Price per ea.
96-0453-00	Metal Nose Guard	29.55

NAMCO GUN HOLSTER PROTECTOR KIT



- Prevents premature failure of Namco gun parts due to guns contacting meta edge of gun holster
- Attractive black textured rubber surface protects guns from damage
- For use on Time Crisis I, Time Crisis II, Time Crisis III, Point Blank and Point Blank 2 games
- Easy to install kit includes components to protect two gun holsters



Part Number		Price per ea.	L/12
96-2025-00	Namco Gun Holster Protector Kit	9.25	7.20

NAMCO GUN HARDWARE KIT

- Kit consists of the most common screws and nuts that used to assemble Namco guns

Part Number		Price per ea.
PB21-04904-00	Namco Gun Hardware Kit	17.95

REPLACEMENT NAMCO GUN HALVES

- Used on Namco Time Crisis and Point Blank Games
- Available in Pink or Blue

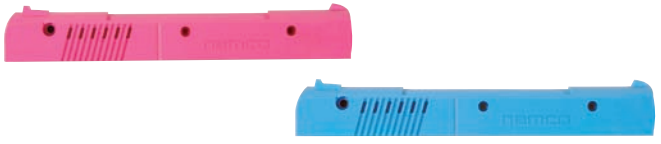
NEW

Part Number		Price per ea.
PB09-0343-0	Namco Left Gun Half, Pink	26.99
PB09-0343-1	Namco Right Gun Half, Pink	26.99
PB09-0343-3	Namco Right Gun Half, Blue	26.99
PB09-0345-2	Namco Left Gun Half, Blue	26.99

REPLACEMENT NAMCO GUN SLIDE HALVES

NEW

- Used on Namco Time Crisis and Point Blank Games
- Available in Pink or Blue



Part Number		Price per ea.
PB09-0342-6	Namco Left Gun Slide Half, Pink	22.05
PB09-0342-7	Namco Right Gun Slide Half, Pink	22.05
PB09-0342-8	Namco Left Gun Slide Half, Blue	22.05
PB09-0342-9	Namco Right Gun Slide Half, Blue	22.05

GUN SOLENOID FOR NAMCO POINT BLANK/ TIME CRISIS

NEW

Part Number		Price per ea.
PB09-0040-56	Gun Solenoid for Namco	97.49

REPLACEMENT GUN HALVES FOR NAMCO

- Namco original components
- Used on Time Crisis 4 game
- Available in red or blue

NEW

Part Number		Price per ea.
TF091167400	Left Gun Half Red for Time Crisis 4	18.99
TF091167500	Right Gun Half Red for Time Crisis 4	18.99
TF091167700	Left Gun Half Blue for Time Crisis 4	18.99
TF091167800	Right Gun Half Blue for Time Crisis 4	18.99

NAMCO TIME CRISIS III GUN ASSEMBLIES

- Original Namco Components
- Available in Pink or Blue

NEW

Part Number		Price per ea.
PB03-03141-00	Time Crisis III Gun Assembly, Pink	495.00
PB03-03141-01	Time Crisis III Gun Assembly, Blue	495.00

GUN HALVES FOR NAMCO CRISIS ZONE

- Original Namco components
- Left or right halves available

NEW

Part Number		Price per ea.
694-990	Left Gun Half for Namco Crisis Zone	102.00
694-991	Right Gun Half for Namco Crisis Zone	102.00

REPLACEMENT AMPLIFIED OPTIC SENSOR PCB FOR NAMCO RECOIL GUNS

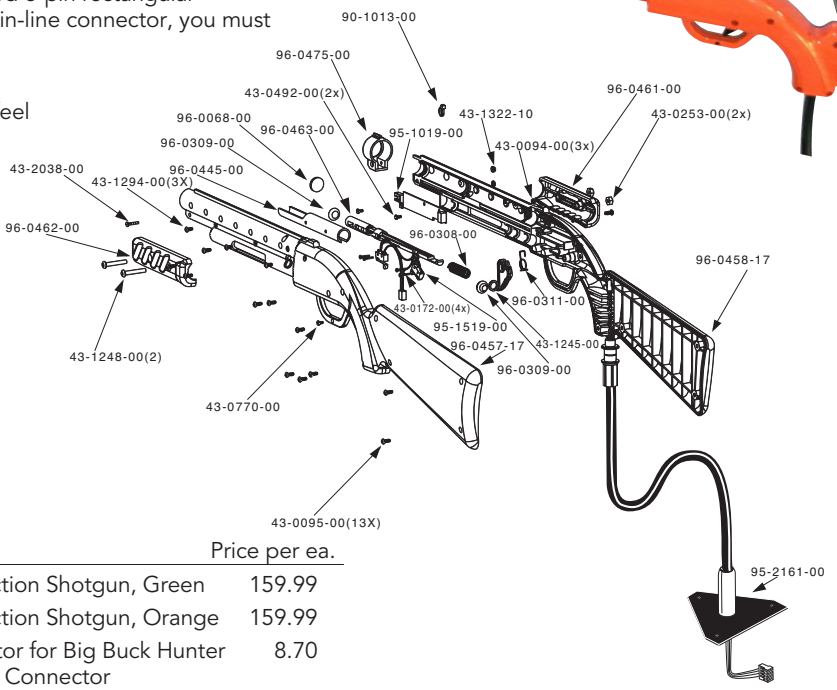
- This unique amplified optic sensor circuit provides improved performance over the original version
- Amplification circuit allows game to function with older monitors that may have lost brightness due to age
- Replaces Namco sensor part number PB09-296-467
- Utilizes same optic sensor as standard Happ Controls guns L14G1
- For use in Time Crisis I, II, III, and Point Blank
- Made in USA

NEW

Part Number		Price per ea.
96-0454-00	Replacement Amplified Optic Sensor PCB for Namco Recoil Guns	27.80

HAPP 29" PUMP ACTION SHOTGUN FOR BIG BUCK HUNTER PRO

- Direct replacement for guns used on Raw Thrills Big Buck Hunter Pro with 6-pin rectangular connector
- Happ Engineered and Manufactured, with the quality that you have come to expect
- Optic PCB has innovative optic can holder that securely holds the optic in place and prevents breakage of optic legs due to shock
- Guns are equipped with a standard 6-pin rectangular connector; if you gun has a 6-pin in-line connector, you must use 96-0843-00 harness adaptor
- Durable rubber hose
- Slide action pump gives realistic feel
- Available in two colors: Orange and Green
- Reliable Cherry microswitches
- Made in USA

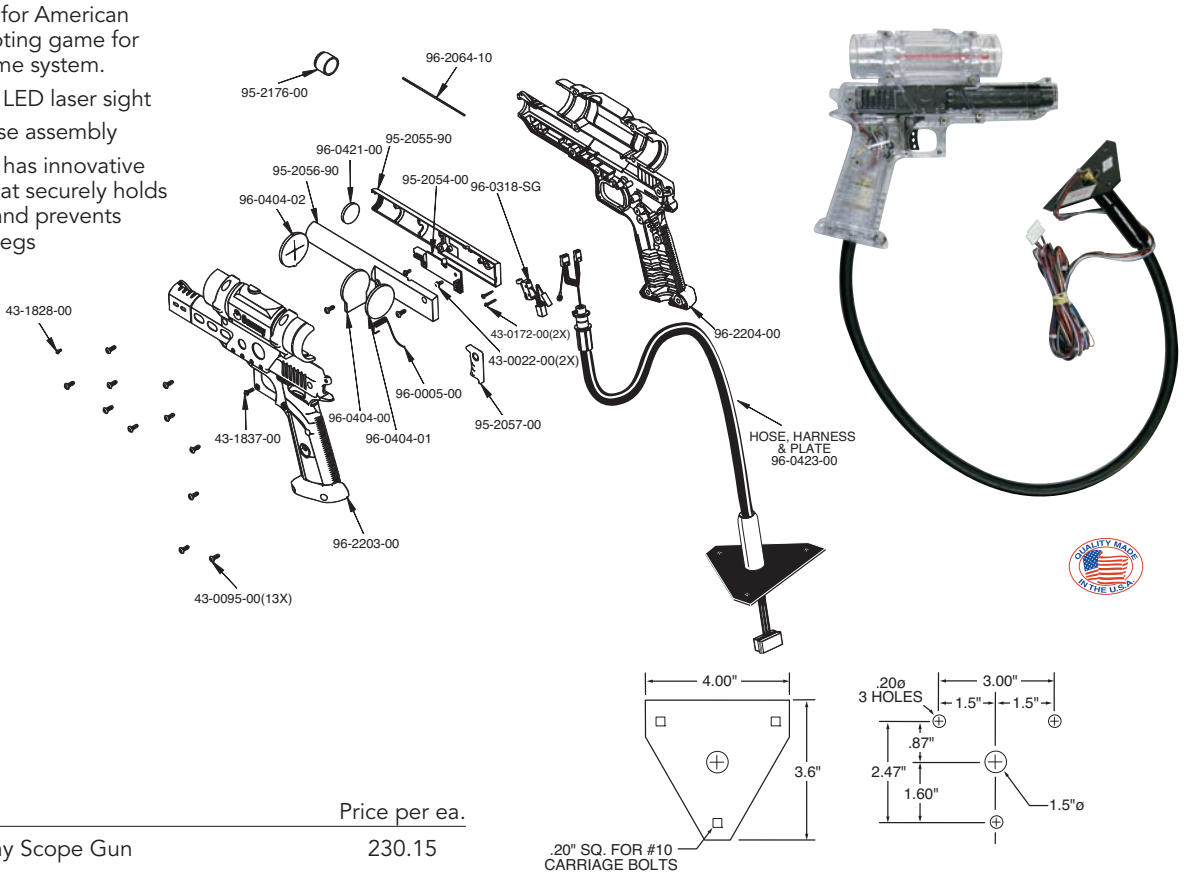


Part Number		Price per ea.
96-0476-13	Happ 29" Pump Action Shotgun, Green	159.99
96-0476-17	Happ 29" Pump Action Shotgun, Orange	159.99
96-0843-00	Gun Harness Adaptor for Big Buck Hunter Pro for 6-pin In-line Connector	8.70

SAMMY SCOPE GUN

SEGA-SAMMY

- Original OEM gun for American Sammy Sport Shooting game for ATOMISWAVE game system.
- Clear gun with red LED laser sight
- Durable rubber hose assembly
- Reliable optic PCB has innovative optic can holder that securely holds the optic in place and prevents breakage of optic legs
- Made in USA

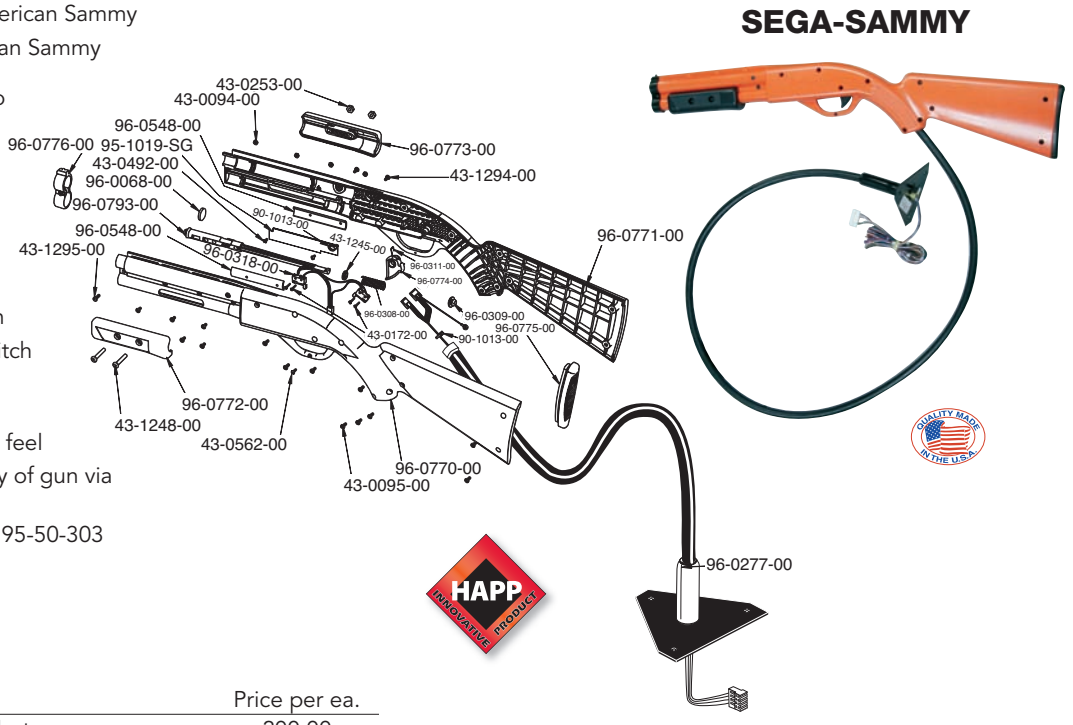


Part Number		Price per ea.
53-50-320	Sammy Scope Gun	230.15

AMERICAN SAMMY 27" PUMP ACTION SHOTGUN

SEGA-SAMMY

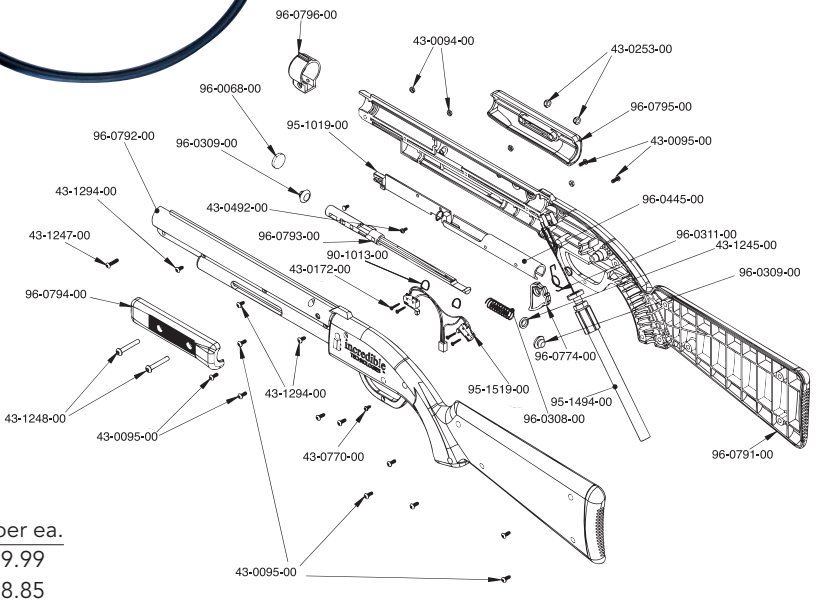
- Made in USA
- Original OEM shotgun from American Sammy
- For use on the following American Sammy games:
  - Wing Shooting Championship
  - Turkey Hunting USA
  - Deer Hunting USA
- New optic PCB has innovative optic can holder that securely holds the optic in place and prevents breakage of optic legs due to shock
- Durable rubber hose, 57" length
- Reliable GOLD contact microswitch used for the trigger switch
- Color: Orange
- Slide action pump gives realistic feel
- Easier disassembly and assembly of gun via brass inserts inside gun, no nuts
- Holster clip set (sold separately) 95-50-303 Shown on pg. 335



Part Number		Price per ea.
99-50-310	27" Pump Action Shotgun	200.00
99-50-303	Holster Clip Set (2 clips) for 27" Shotgun	27.35

INCREDIBLE TECHNOLOGIES 29" PUMP ACTION SHOTGUN

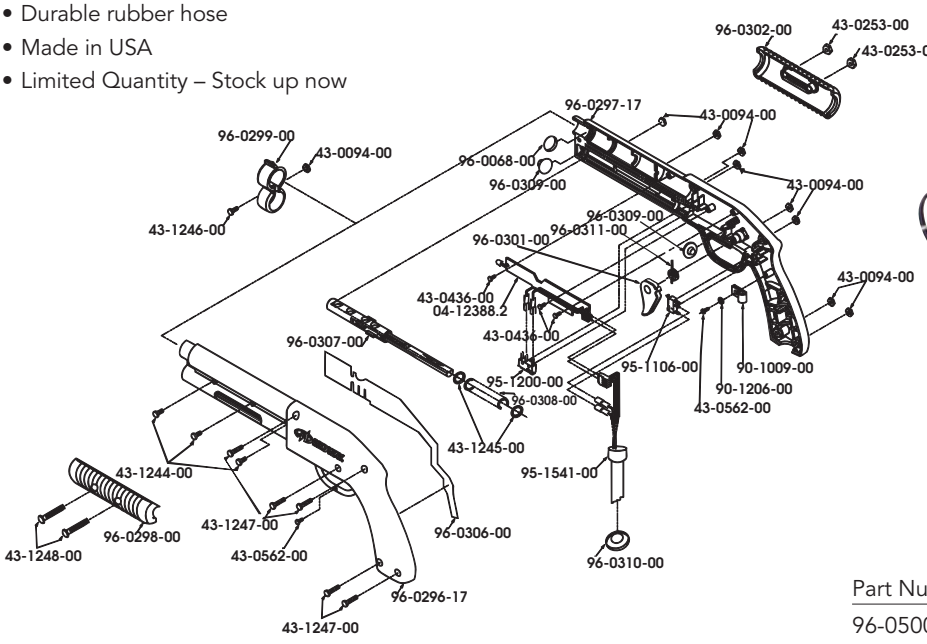
- Made in USA
- Original OEM shotgun from Incredible Technologies used on Big Buck Hunter
- New optic PCB has innovative optic can holder that securely holds the optic in place and prevents breakage of optic legs due to shock
- Durable rubber hose, 57" length
- Reliable GOLD contact microswitch used for the trigger switch
- Color: Orange
- Slide action pump gives realistic feel
- Easier disassembly and assembly of gun via brass inserts inside gun, no nuts
- Holster clip (sold separately) 750000075 Shown on pg. 335



Part Number		Price per ea.
900890234	29" Pump Action Shotgun	239.99
750000075	Black Plastic Gun Clip for Big Buck Hunter	8.85

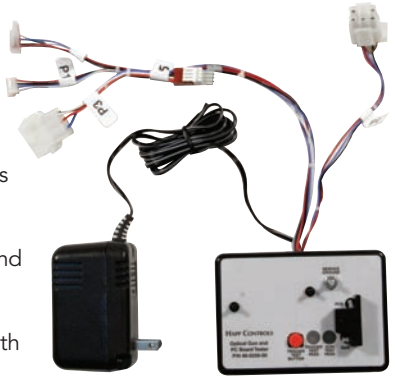
REPLACEMENT SHOTGUN FOR MIDWAY CARNEVIL

- Will replace original Midway Carnevil shotgun
- Orange gun with black pump action handle
- New innovative "inductorless" optic sensor board for increased reliability and accuracy
- Overall length 14"
- Durable rubber hose
- Made in USA
- Limited Quantity – Stock up now



Part Number		Price per ea.
96-0500-00	Replacement Carnevil Shotgun	191.85

OPTICAL GUN & PCB TESTER

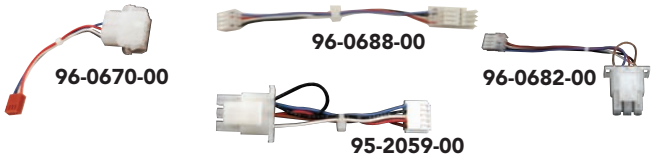


- Improved version!
- A must for all operators and technicians!
- Easy and economical
- Tests all Happ optical guns and PC boards
- Can also be used to test Incredible Technologies and American Sammy optical guns
- Hand held device tests both the optical PCB and the complete gun assembly
- Simply plug in and press the test button – indicator light tells you if board is good or bad
- Additional harness now included that will test the optics on Recoil Guns, but not the coil

Part Number		Price per ea.
96-0256-00	Optical Gun and PCB Tester	258.25

ADAPTER HARNESSES

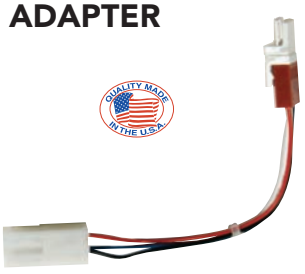
- Gun adaptor harness allows optical gun to be easily adapted to other games
- Simply plug gun into adapter and then plug into game cabinet harness



Part Number	Adapts From	Adapts To	Price per ea.	L/10
96-0670-00	Happ Gun	Atari Area 51, Maximum Force and Site 4 Games	7.80	7.30
96-0688-00	Happ Gun	Zero Point Game	6.60	6.05
96-0682-00	Atari Area 51 Maximum Force Games	Happ Gun	7.80	7.30
95-2059-00	Adapter Harness Carnevil Gun	Crypt Killer	5.30	3.90

HARNESS ADAPTER

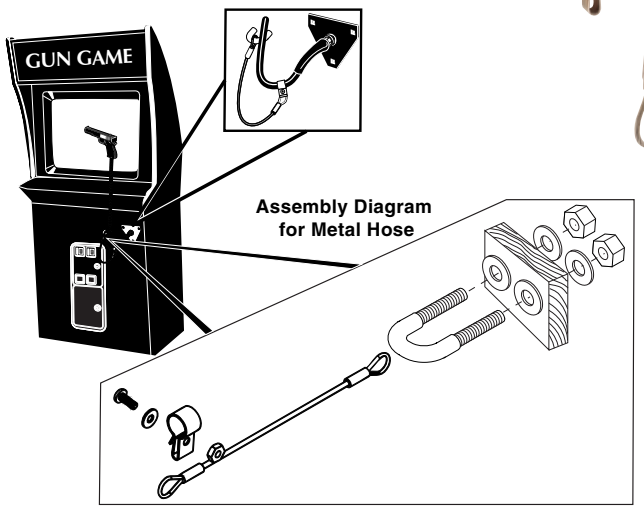
- Allows Happ Optic Guns to be uses on Sega games
- Can be used on Virtua Cop, Virtua Cop 2, House of Dead 1
- Will not work on Lost World or House of Dead 2
- Happ exclusive product



Part Number		Price per ea.
96-0459-00	Harness Adapter	4.45

GUN $AVER HOSE CLAMP KIT

- Prevents gun breakage due to the guns being dropped on the floor
- Helps prevent the guns from causing damage/scratching to the Plexiglas in front of the monitor when being hit with front of guns
- Works for both metal and rubber hoses
- Simple to install on almost any cabinet
- Comes with Installation Instructions & Template



Part Number		Price per ea.
96-0290-00	Gun $aver Optic Gun Hose Clamp Kit	18.90

HOLSTER SET FOR 27" SAMMY SHOTGUN

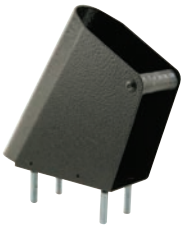
- Set contains two heavy duty metal clips
- Black powder coated
- All mounting hardware included
- Requires drilling of four holes

Part Number		Price per ea.
99-50-303	Holster set for 27"Sammy Shotgun	27.35
750000075	Holster set for 29"Incredible Technologies Pump Action Shotgun	8.85

GUN HOLSTERS

96-0750-16

96-0676-00



96-0125-00

Part Number		Price per ea.	L/10
96-0750-16	Gun Holster for 45 Optical Gun, Black	21.00	18.80
96-0676-00	Gun Holster for Optical Sub machine Gun, Black	28.60	25.90
96-0125-00	Gun Holster for Space Gun, Black	18.90	15.75

BARREL HOLSTER FOR 14" SAMMY SHOTGUN

- Made of heavy duty black powder coated steel
- Bolts to the front of the cabinet
- Requires drilling three holes in the cabinet
- Holster and mounting hardware included

Part Number		Price per ea.
36-50-303	Barrel Holster for 14" Sammy Shotgun	37.25

TORX® TAMPER-RESISTANT WRENCH AND SECURITY SCREWS FOR OPTIC GUNS

Part Number		Price per ea.	L/6
49-0452-00	Torx® Tamper-Resistant T-10 Wrench For Optic Guns	5.25	4.75
43-0095-00	T-10 Torx® Tamper-Resistant Screw	.40	–

OPTICAL GUN HARDWARE KITS

- Have you lost some of the hardware when you took apart your optical guns? Happ Controls provides you with a solution, with our new Optical Gun Hardware Kits
- Kits contain all the screws and nuts (where required) to re-assemble you optical guns
- Keep several kits on hand.

Part Number		Price per ea.
43-1888-00K	Hardware Kit – Happ Type I Gun	6.60
43-1887-00K	Hardware Kit – Happ Type II Gun	6.60
43-1891-00K	Hardware Kit - Midway Carnevil Gun American Sammy Deer Hunter Short 14" Gun/Incredible Technology Big Buck Hunter 29"Gun	7.65
43-1890-00K	Hardware Kit - American Sammy Deer Hunter 27" Gun	7.65
43-1314-00K	Hardware Kit – Sega Gun	7.65

HAPP OPTICAL GUN PROTECTOR KIT

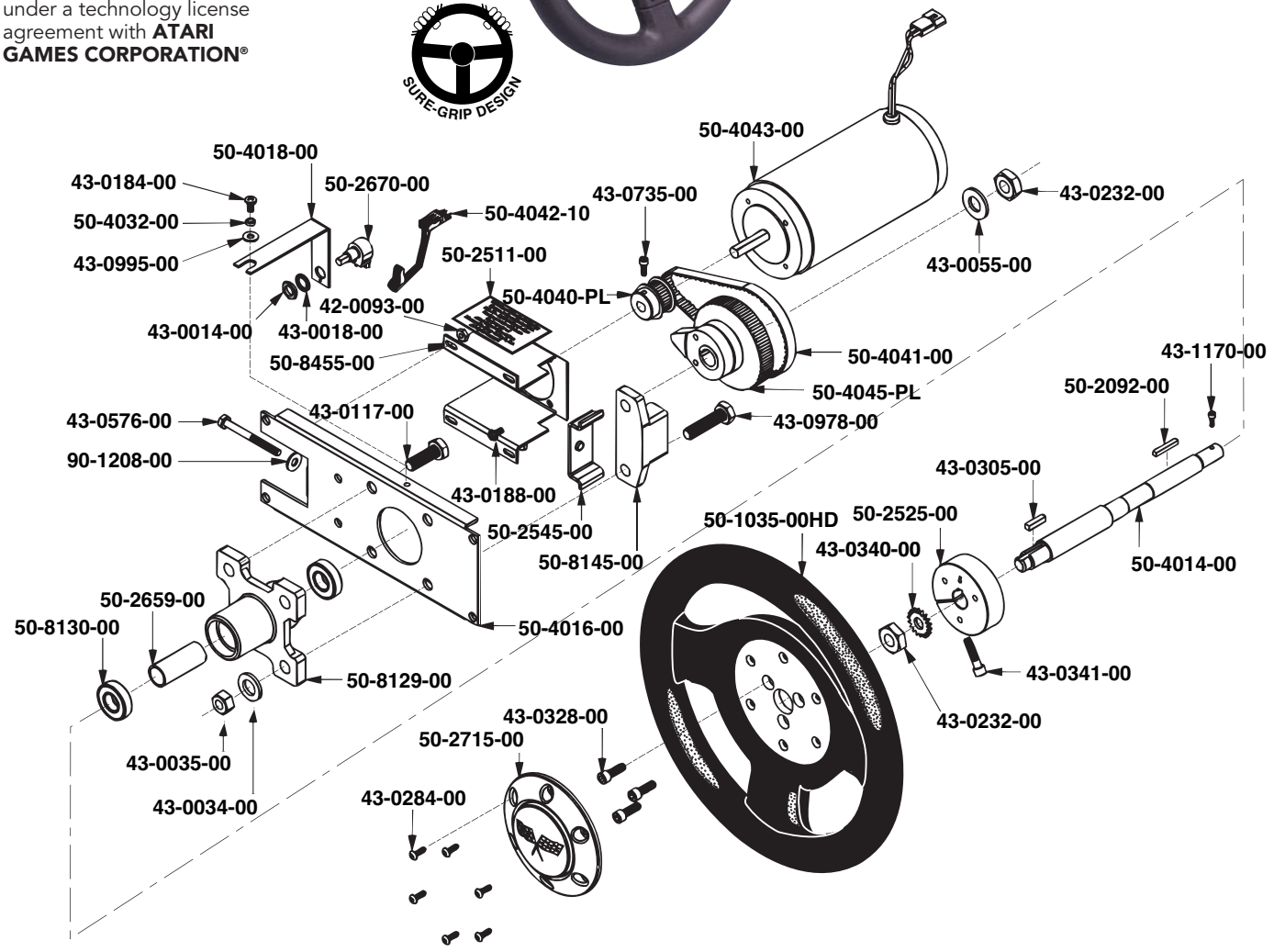
- Works will all Happ .45 Cal optical guns
- Protects end of optic gun against breakage
- Made from ABS plastic

Part Number		Price per ea.
96-0858-00	Happ Optical Gun Protector Kit	4.99

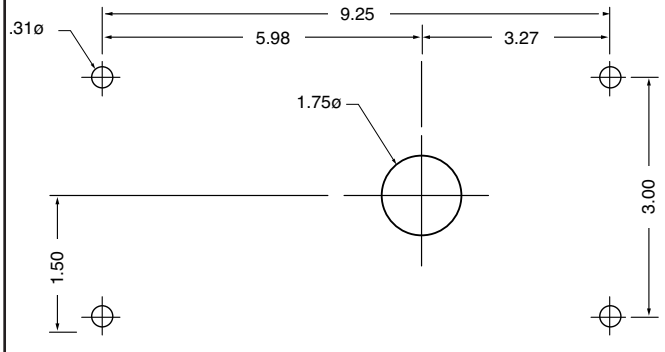
ACTIVE STEERING WHEEL ASSEMBLY

- 270° wheel assembly fitted with a strong DC motor to provide realistic feel and feedback
- Requires signals from game board to operate
- Black cap with checkered flag logo fitted as standard
- Not intended to connect to a PC
- Optional Control Board available (50-2000-02)
- This product is manufactured under a technology license agreement with **ATARI GAMES CORPORATION®**

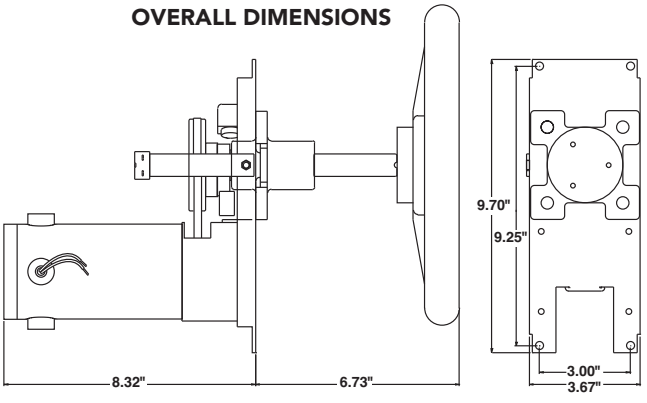
Part Number		Price per ea.	L/6
50-0102-08S	270° Active Steering Wheel Assembly	278.40	271.05



MOUNTING DIMENSIONS



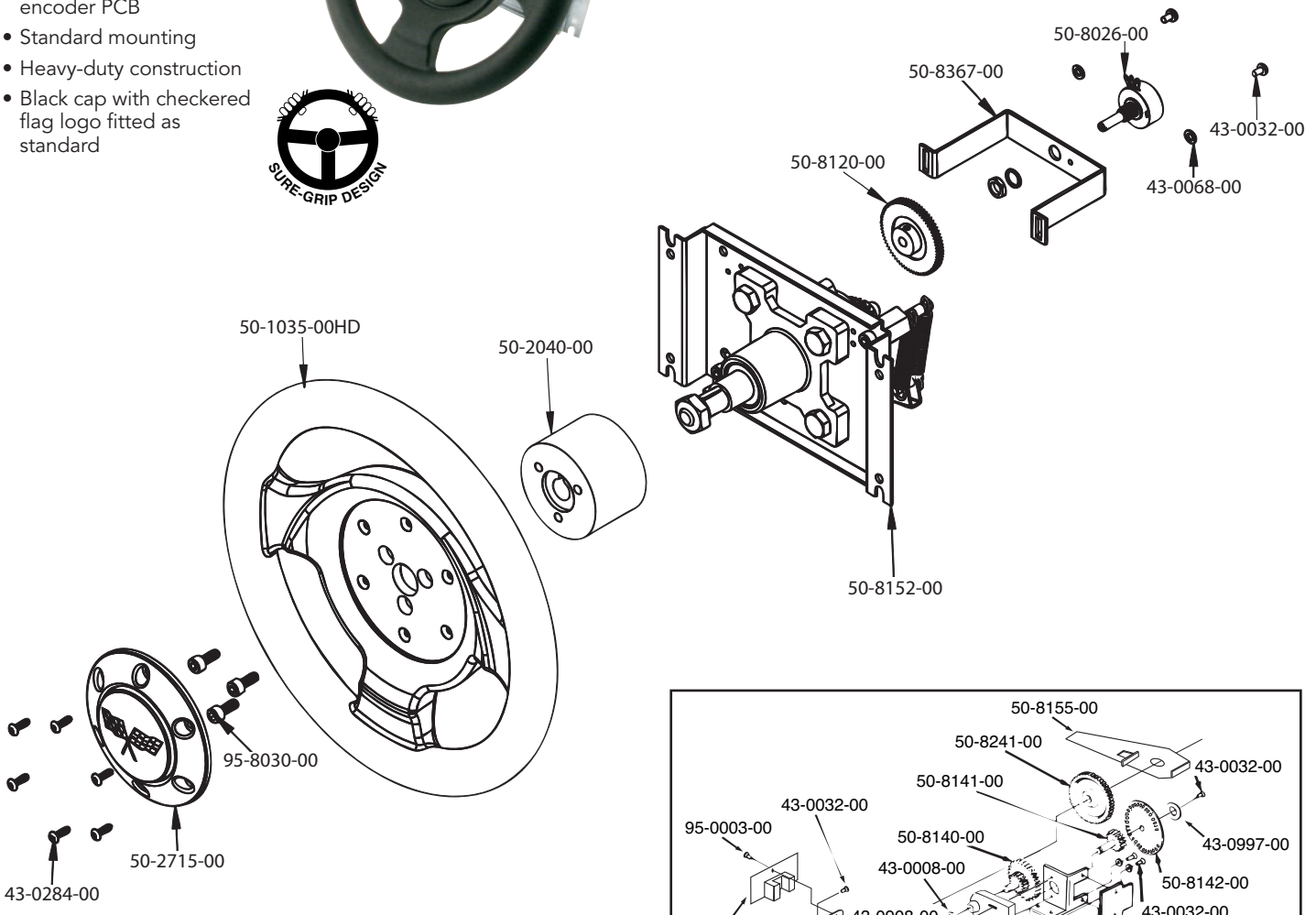
OVERALL DIMENSIONS

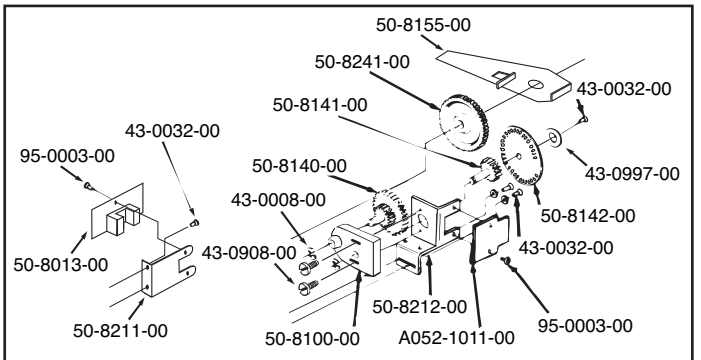


270° STEERING WHEEL

- New innovative "Sure-Grip" design gives better control and feel
- Molded durable black rubber hoop with checkered flag cap
- Ball bearing construction
- Potentiometer control or encoder PCB
- Standard mounting
- Heavy-duty construction
- Black cap with checkered flag logo fitted as standard

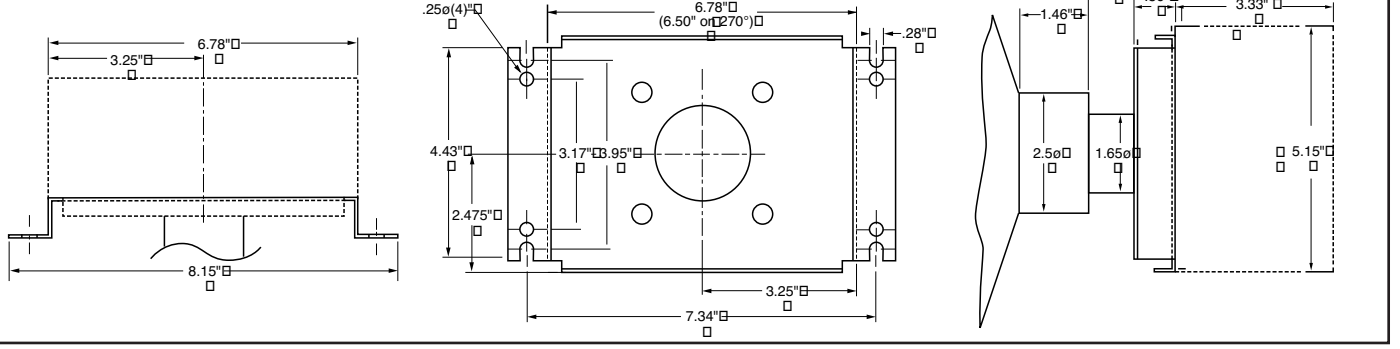
Part Number		Price per ea.	L/6
50-2838-00	270° Steering Wheel with Pot	258.35	241.10





FOR 50-2836-00
270° Steering Wheel with Dual Optical PCB

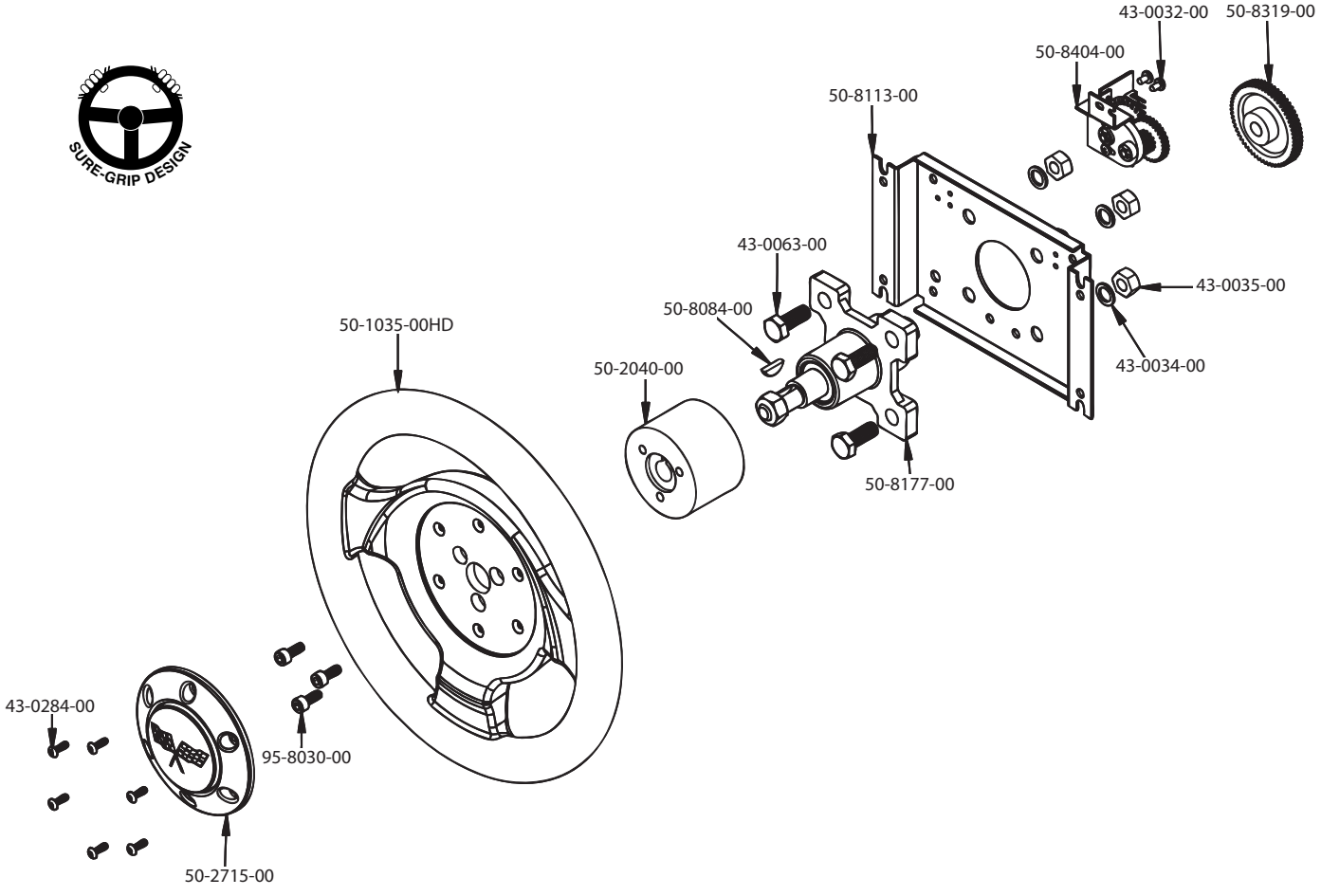
270° WHEEL MOUNTING DIMENSIONS



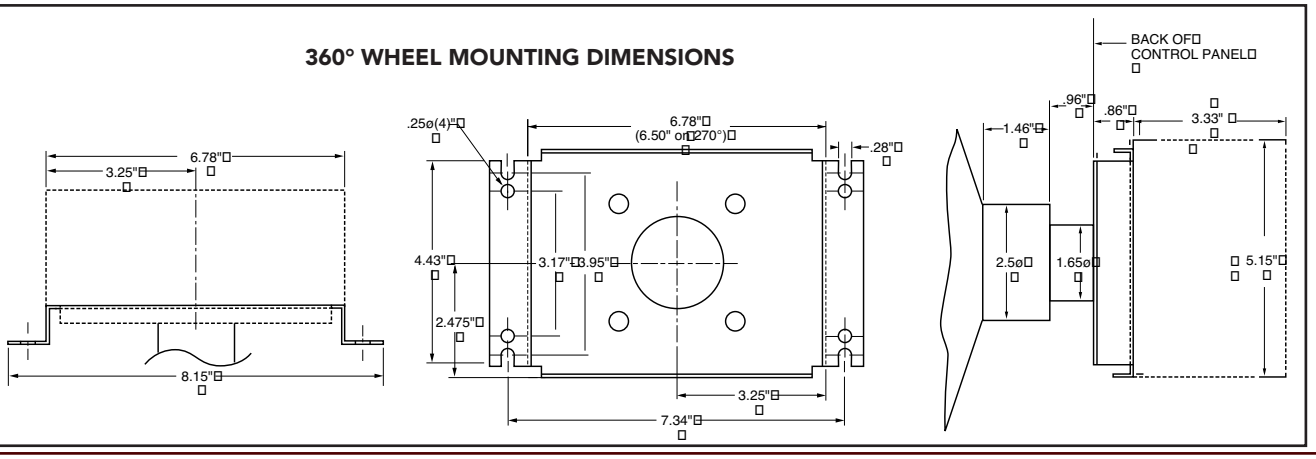
STEERING WHEEL ASSEMBLY– 360° WHEEL

- New innovative "Sure-Grip" design gives better control and feel
- Molded durable black rubber hoop with checkered flag cap
- Ball bearing construction
- Optical control
- Standard mounting
- Heavy duty construction
- Black cap with checkered flag logo fitted as standard

Part Number		Price per ea.	L/6
50-2837-00	360° Steering Wheel	257.75	233.05



360° WHEEL MOUNTING DIMENSIONS



REPLACEMENT STEERING WHEEL ASSEMBLIES

SURE-GRIP DESIGN

- New innovative "Sure-Grip" design allows better control and feel
- Molded durable black rubber
- 11.4" diameter
- Includes black plastic checkered flag cap and screws

Part Number		Price per ea.	L/12
50-2844-00	Sure-Grip Design	45.30	38.80

USA DESIGN

- Simulated leather look
- Molded durable hard black plastic
- 11.2" diameter
- Includes black plastic checkered flag cap and screws

Part Number		Price per ea.	L/12
50-2845-00	USA Design	38.70	34.00

EUROPEAN DESIGN

- European inspired design
- Simulated leather look
- Molded in durable hard black plastic
- 10.3" diameter
- Bigger cap included
- Includes black plastic cap

Part Number		Price per ea.	L/12
50-2846-00	European Design	41.70	36.35

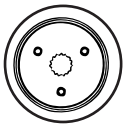
ORIGINAL DESIGN

- Molded durable hard black plastic
- 10.6" diameter
- Includes black plastic cap

Part Number		Price per ea.	L/12
50-2843-00	Original Design	43.70	37.45

REPLACEMENT FOR DAYTONA

- New innovative "Sure-Grip" design gives better control and feel
- Molded durable black rubber
- Simply slides over existing spline main shaft of steering wheel
- 11.4" diameter
- Includes black plastic checkered flag cap and screws



Rear View of Hub

Part Number		Price per ea.	L/12
50-3000-10	Replacement for Daytona	63.00	57.75

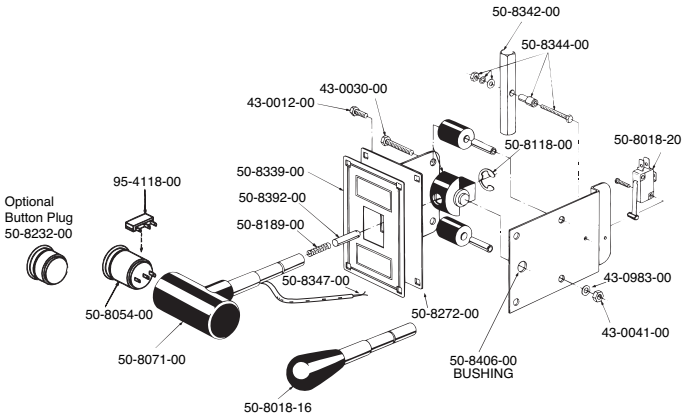
REPLACEMENT 2-PIECE STEERING SHAFT FOR SEGA

- Used on Sega Daytona II Deluxe & Sega Super GT Deluxe
- Spline shaft on front for attaching steering wheel
- Unique 2-piece design allows you in the future the ability to replace only the front (95-1652-00) or rear (95-1651-00) shaft
- Made in USA

Part Number		Price per ea.
95-1653-00	Two-Piece Steering Rod Assembly for Sega	309.00
95-1652-00	Front Shaft for Steering Assembly	175.00
95-1651-00	Rear Shaft for Steering Assembly	180.25

TURBO SPEED SHIFTER

- High-Low Speed Shift has microswitch in handle actuated by large diameter pushbutton to enable Turbo feature

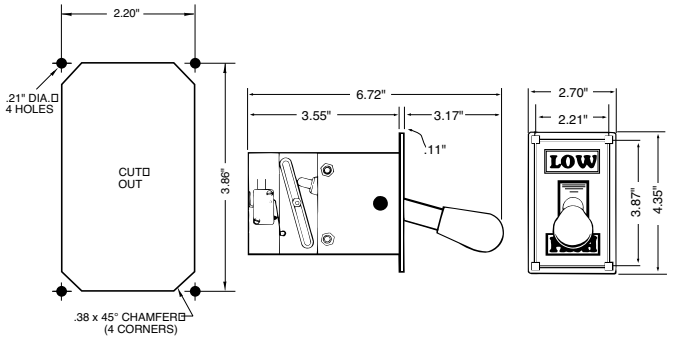


Part Number		Price per ea.	L/6
50-8017-00	Turbo Speed Shifter	57.00	51.80

SPEED SHIFTER

- Knob molded onto steel shaft
- Microswitch operation
- 2 position

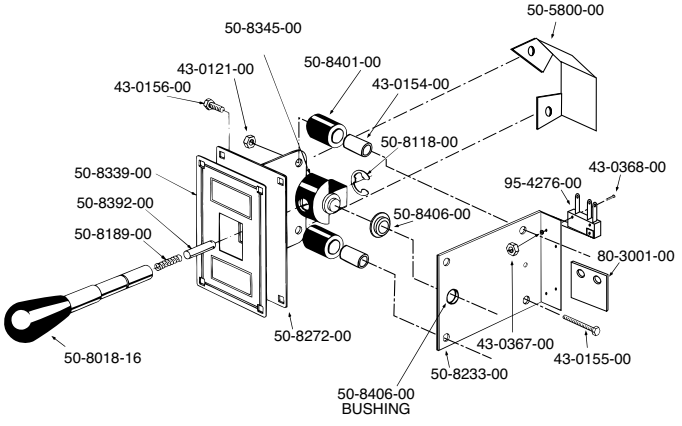
MOUNTING DIMENSIONS FOR SHIFTER WITH STANDARD HANDLE



Part Number		Price per ea.	L/6
50-8018-00	Speed Shifter	45.35	42.75

UP/DOWN SHIFTER

- For multi-speed applications
- Makes switch contact in low and in high position and returns to center
- Handle available with or without thumb switch

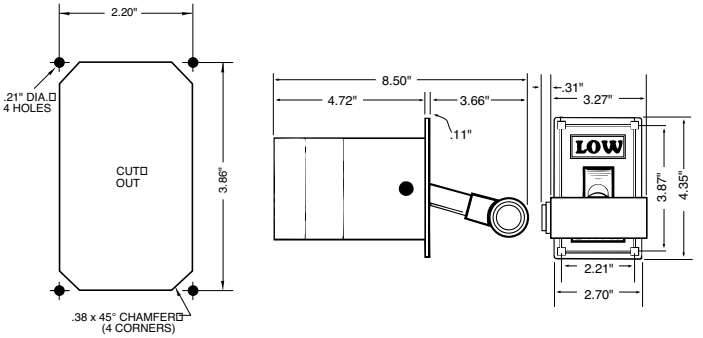


Part Number		Price per ea.	L/6
50-8110-00	Up/Down Shifter	50.75	46.95

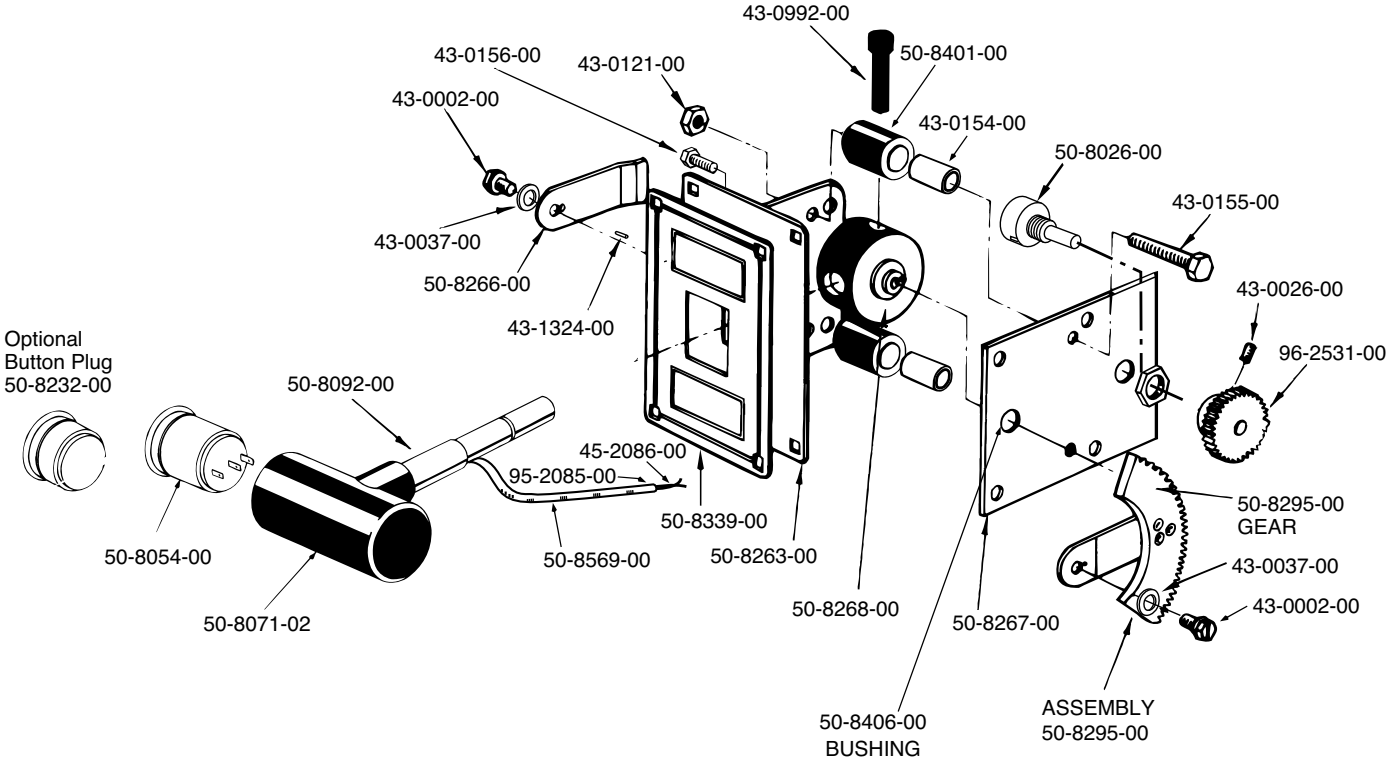
TURBO THROTTLE

- Produces 0 to 5k ohm signal proportional to lever position
- Lever has friction to remain where last set
- High-Low Speed Shift has microswitch in handle actuated by large diameter pushbutton to enable Turbo feature

MOUNTING DIMENSIONS FOR SHIFTER WITH TURBO HANDLE



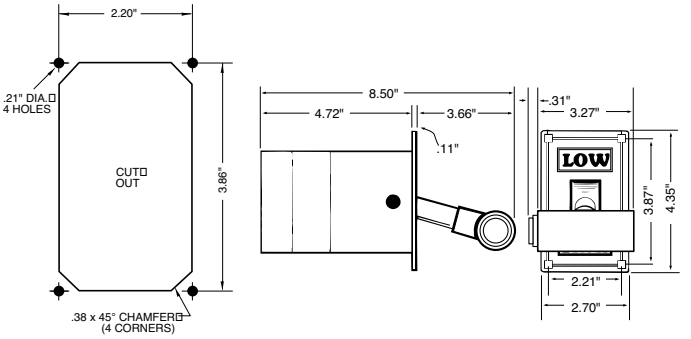
Part Number		Price per ea.	L/6
50-8184-00	Turbo Throttle with 5k pot	101.30	95.05



TURBO THROTTLE RETURN TO CENTER

- Produces 0 to 5k ohm signal proportional to lever position
- Available with or without thumb switch

MOUNTING DIMENSIONS FOR TURBO THROTTLE RETURN TO CENTER



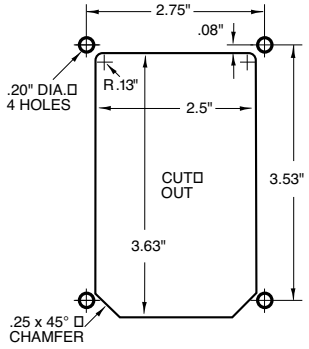
Part Number		Price per ea.	L/6
50-0242-00	Turbo Throttle Return to Center	77.60	73.65

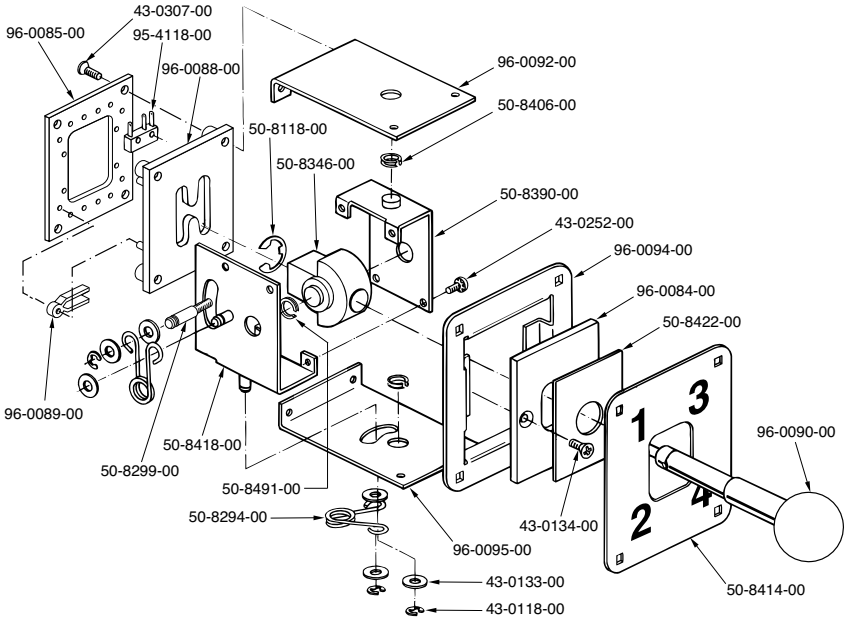
4-SPEED SHIFTER

- 4-speed gated shifter
- Black insert molded shift knob
- 4 gold contact CHERRY microswitches

Part Number		Price per ea.	L/6
50-8496-00	4-Speed Shifter	84.00	73.50

MOUNTING DIMENSIONS FOR 4-SPEED SHIFTER

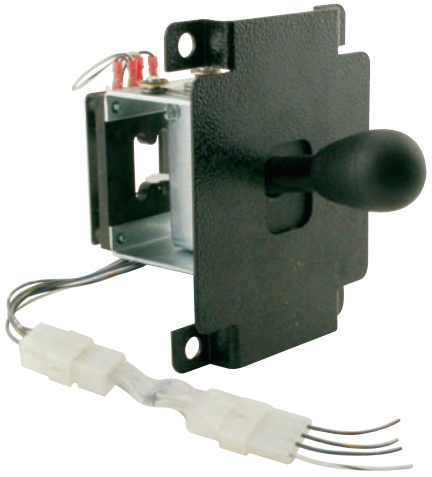


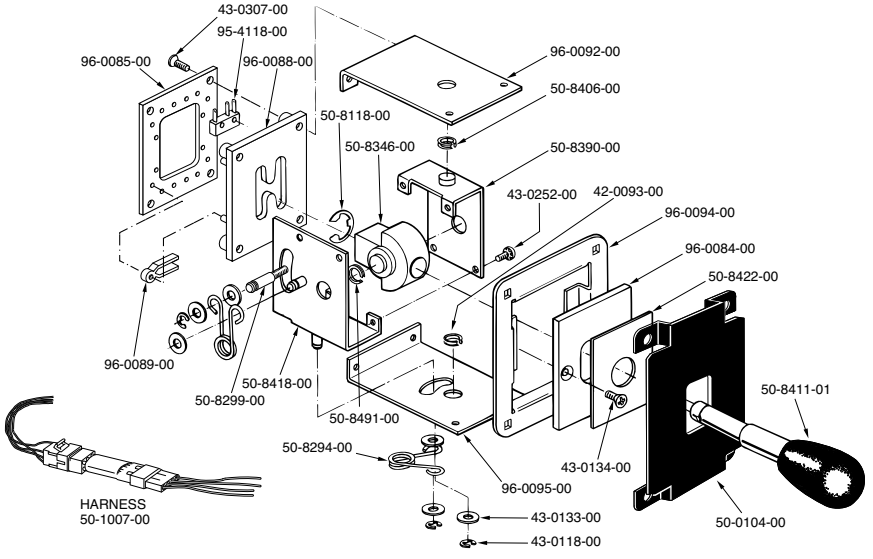


DAYTONA REPLACEMENT SHIFTER

- 4 speed gated shifter
- Black insert molded shift knob
- 4 gold contact CHERRY microswitches
- Durable replacement control for SEGA sitdown Daytona game
- Complete with mounting plate and wire harness for both USA and Japan type Daytona Game

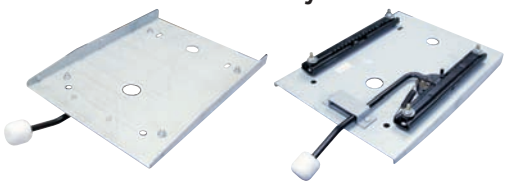
Part Number		Price per ea.	L/25
50-8500-00	Daytona Replacement Shifter	117.70	110.35





SEAT SLIDE REPLACEMENT ASSEMBLIES & PARTS

Complete Seat Slide Lower Assembly



50-2801-00

Complete Seat Slide Rail Set

50-3025-00

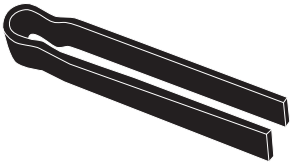
Sega Daytona or Rally Retrofit Kit

50-2859-00

Mfg	Game	Seat Slide Assy	Price per ea.	Rail Set	Price per ea.	Kit (Rail Set w/Spacers)	Price per ea.	Rail Idler	Price per ea.	Rail Locking w/Lever	Price per ea.
Atari	San Francisco Rush 2049	–	–	–	–	–	–	50-3090-00	10.40	50-3120-00	32.40
Atari	San Francisco Rush, Rock	–	–	–	–	–	–	50-3090-00	10.40	50-3120-00	32.40
Atari	San Francisco Rush	–	–	–	–	–	–	50-3090-00	10.40	50-3120-00	32.40
Atari	California Speed	50-2801-00	63.00	50-3025-00	37.35	–	–	–	–	–	–
Konami	GTI Club	50-2801-00	63.00	50-3025-15	58.60	–	–	–	–	–	–
Konami	Winding Heat	50-2801-00	63.00	50-3025-15	58.60	–	–	–	–	–	–
Midway	CART Fury	50-2801-00	63.00	50-3025-00	37.35	–	–	–	–	–	–
Midway	Cruis'n Exotica	50-2692-00	257.40	–	–	–	–	–	–	–	–
Midway	Cruis'n USA Motion	–	–	–	–	–	–	–	–	–	–
Midway	Cruis'n USA Sitdown	50-2801-00	63.00	50-3025-00	37.35	–	–	–	–	–	–
Midway	Cruis'n World	50-2801-00	63.00	50-3025-00	37.35	–	–	–	–	–	–
Midway	HydroThunder	50-2801-00	63.00	50-3025-00	37.35	–	–	–	–	–	–
Midway	Hyperdrive	50-2801-00	63.00	50-3025-00	37.35	–	–	–	–	–	–
Midway	Offroad	50-2801-00	63.00	50-3025-00	37.35	–	–	–	–	–	–
Midway	Offroad Thunder	50-2801-00	63.00	50-3025-00	37.35	–	–	–	–	–	–
Namco	Rave Racer	50-2801-00	63.00	50-3025-00	37.35	–	–	–	–	–	–
Namco	Ridge Racer	–	–	–	–	–	–	–	–	–	–
Namco	Speed Up	50-2801-00	63.00	50-3025-00	37.35	–	–	–	–	–	–
SEGA	Daytona Twin	–	–	–	–	50-2859-00	48.40	–	–	–	–
SEGA	Rally Twin	–	–	–	–	50-2859-00	48.40	–	–	–	–
SNK	Roads Edge	50-2801-00	63.00	50-3025-00	37.35	–	–	–	–	–	–

ACTUATOR SPRING FOR 4-SPEED SHIFTER

- Used on Happ Controls 4-speed shifters (50-8496-00)
- Hardened formed steel



Part Number		Price per ea.
96-0089-00	Actuator Spring for 4-Speed Shifter	4.90

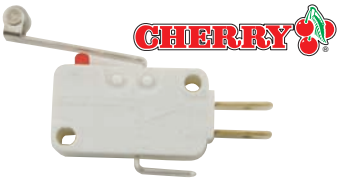
MICROSWITCH

- For individual replacement of switches for Pinball Switches, 4-Speed Shifters
- High CHERRY Quality switch
- DA3 .110 terminal, Gold Contact, 90 Gram (standard) actuating force
- Switch color: Black

Part Number		Price per ea.	L/100
95-4118-00	Microswitch	2.15	1.85

LONG ARM SWITCH WITH ROLLER ACTUATOR

- Used on Happ Controls shifters
- 10 amps
- 125/250 volts
- .250 terminals



Part Number		Price per ea.
50-8018-20	Long Arm Switch w/Actuator	4.65

HANDLE GRIP FOR ARTIC THUNDER

- Original OEM grip for Midway Artic Thunder
- Black rubber with knurled surface
- 5" long, fits 1" diameter shaft

Part Number		Price per ea.
95-1457-00	Handle Grip for Artic Thunder	5.65
VG96-08778-00	Rubber Grip Black Pair NAMCO	17.95
95-1101-00	Rubber Grip Handle, 2 per pack For Super Bike, Sold per pack	26.90

REPLACEMENT POTENTIOMETERS

96-4916-00 VG75-05464-00 220-5373 50-2670-00

Part Number		Price per ea.
VG75-05464-00	Replacement 1K Pot Namco 40° Namco Ref. VG75-05464-00	36.05
VG75-03824-00	Replacement 1K Pot Namco 60° Namco Ref. VG75-03824-00	41.20
220-5373	Replacement 5K Pot Sega	19.55
96-4916-00	Replacement 5K Long Life Pot .50" Shaft Namco Ref. VG80-02975 WMS Ref:5014-12909-00	31.50
50-8026-02	Replacement 5K Pot .750" Shaft Namco Ref. AC75-04425-00	10.45
50-8056-00	Replacement 5K Pot 7/8" Shaft	20.75
50-8026-00	Replacement 5K Pot 1.125" Shaft Namco Ref. VG75-06089-00	12.45
SG09-008-006	Replacement 5K Pot Namco 1.125" Shaft Namco Ref. SG09-008-006	46.00
3541H-1-103	Replacement 10K Bourns Pot Atari for Hard Driving	85.95
50-2670-00	Replacement 5K NEI (Sensorcube) w/Connector	24.75
50-2064-00	Replacement 5K Pot for Happ Joysticks "S" Taper, 3/4" Shaft	31.50
50-2032-00	Replacement 100K Pot for Happ, Joysticks "S" Taper, 3/4" Shaft	27.60
50-0153-00	Replacement 100K Pot for Happ Steering Wheels	32.15

REPLACEMENT SCREWS FOR ATTACHMENT HOOP TO HUB

Part Number		Price per ea.
43-0328-00	Replacement Screws For Attachment Hoop To Hub	.41

SEAT FOR MIDWAY ARCTIC THUNDER

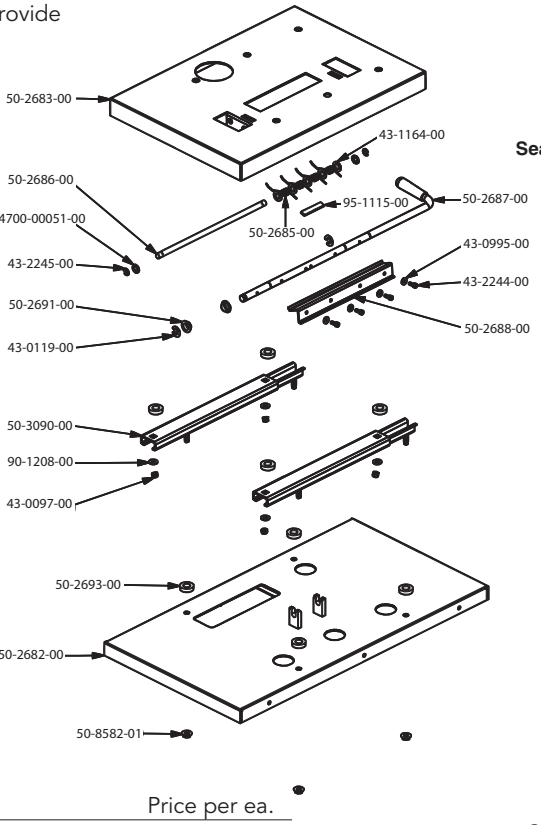
- Original OEM seat
- Blue molded plastic with Midway logo
- Used on Midway Artic Thunder cabinets
- Made in USA

Part Number		Price per ea.
04-12950	Seat for Midway Arctic Thunder	288.40

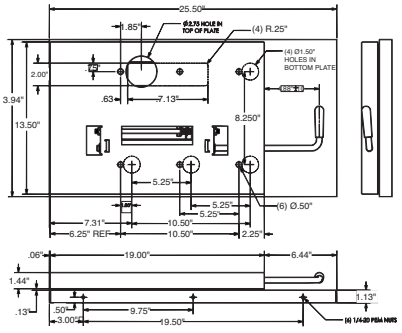
SEAT SLIDE ASSEMBLIES

- Full range of seat adjustment positions allows unlimited adjustment for all size of players
- Heavy-duty metal construction of slide rails provide trouble-free operation
- Easier mounting for OEM applications
- 6.4" range of travel
- Black nylon knob

Seat Slide Assembly



OVERALL DIMENSIONS



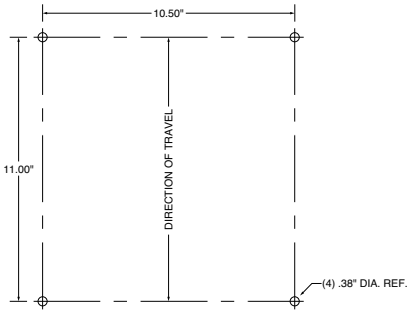
Seat Slide Assembly With Seat Mounted

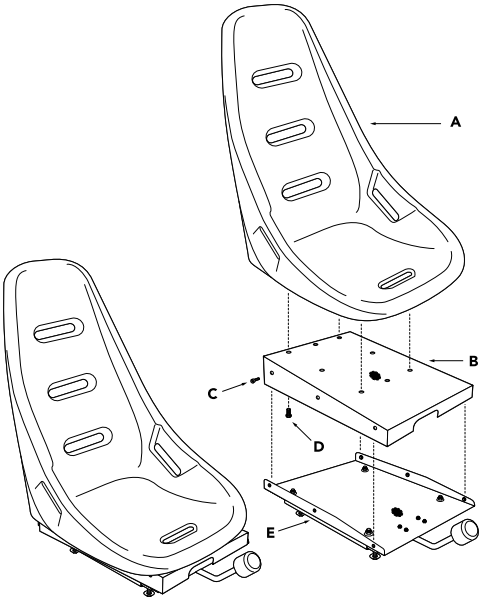
Part Number		Price per ea.
50-2692-00	Seat Slide Assembly for Crusin Exotica	257.40
50-3137-00	Seat Slide Assembly for Speaker Seat	183.80

SEAT SLIDE ASSEMBLY

- Allows player a full range of seat adjustment positions to allow adjustment for all size of players
- Precise heavy-duty metal construction of slide rails provide trouble-free operation
- Large white knob extends from seat slide base to allow easy adjustment while sitting
- 4" range of travel

MOUNTING DIMENSIONS

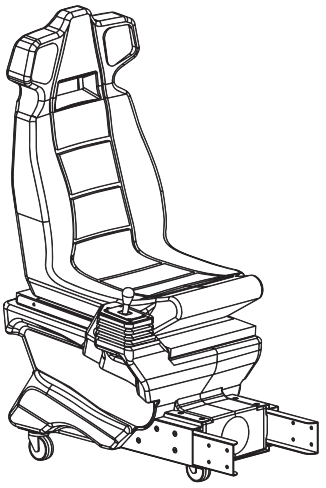


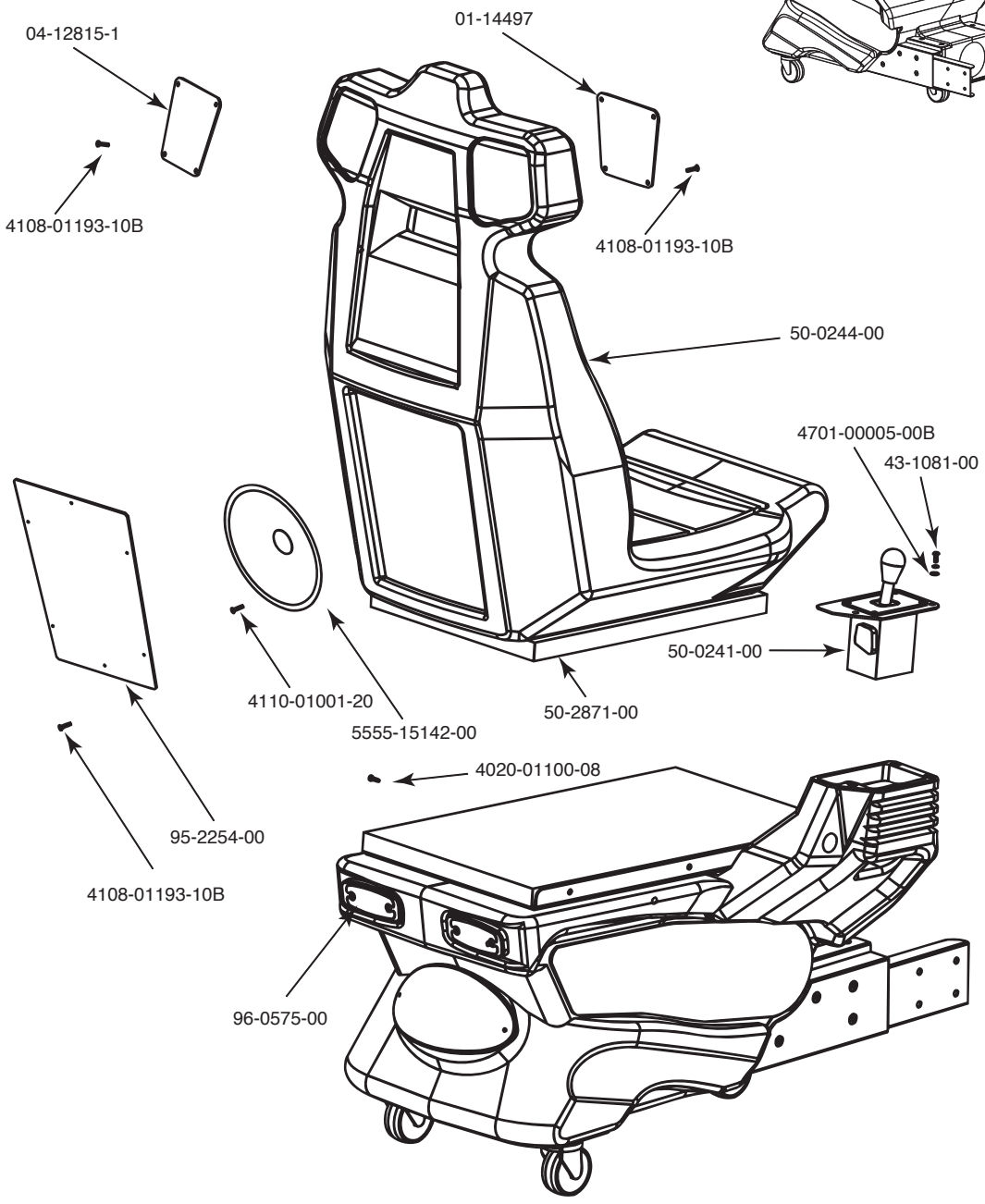


Part Number	Key		Price per ea.
49-0501-00	A	Black Plastic Seat, Model 2600	225.95
43-0347-00	C	T-27 Torx Screw for Seat Slide	.57
50-2801-00	E	Seat Slide Lower Assembly	63.00

SEAT PEDESTAL ASSEMBLY

- Durable and Stylish design for driving game
- Modular design provides numerous OEM configuration possibilities
- Seat Color
- Speaker Configuration
- Side and or seat graphics
- Real metal exhaust pipes with additional speakers built in
- Functional brake lights
- Shifter (2, 3 or 4-Speed)
- Base is Black one-piece molded plastic with locking casters
- Seat slide mounts to base





Part Number		Price per ea.
Call for Part Number	Seat Pedestal Assembly	Call

MOLDED SEAT FOR MIDWAY CRUIS'N WORLD AND OFFROAD CHALLENGE

- Original Midway seat for Cruis'n World and Offroad Challenge
- Made of durable molded plastic
- Color: Black
- Made in USA
- Dimensions: 33.8" H x 27.4" D x 20.6" W

Part Number		Price per ea.
04-10173	Molded Seat for Midway Cruis'n World and Offroad Thunder	164.30

MOLDED SEAT FOR MIDWAY CRUIS'N EXOTICA

- Original Midway seat for Cruis'n Exotica
- Made of durable molded plastic
- Color: Black
- Made in USA
- Dimensions: 34.38" H x 28.7" D x 20.7" W

Part Number		Price per ea.
04-12452-4	Molded Seat for Midway Cruis'n Exotica	164.30

MOLDED SEAT FOR MIDWAY HYDROTHUNDER

- Original Midway seat for Hydrothunder
- Made of durable molded plastic
- Color: Teal
- Made in USA
- Dimensions: 33.5" H x 29.13" D x 19.54" W

Part Number		Price per ea.
04-11100	Molded Seat for Midway Hydrothunder	164.30

MOLDED SEAT FOR MIDWAY CRUIS'N EXOTICA

- Original Midway seat for Cruis'n Exotica
- Made of durable molded plastic
- Color: Purple
- Made in USA
- Dimensions: 34.38" H x 28.7" D x 20.7" W

Part Number		Price per ea.
04-12452-3	Molded Seat for Midway Cruis'n Exotica	164.30

MOLDED SEAT FOR MIDWAY OFFROAD THUNDER

- Original Midway seat for Offroad Thunder
- Made of durable molded plastic
- Color: Yellow
- Made in USA
- Dimensions: 33.5" H x 29.13" D x 19.54" W

Part Number		Price per ea.
04-12731	Molded Seat for Midway Offroad Thunder	164.30

MOLDED SEAT FOR MIDWAY RUSH 2049

- Original Midway seat for Rush 2049
- Made of durable molded plastic
- Color: Black
- Made in USA
- Dimensions: 33.5" H x 29.13" D x 19.54" W

Part Number		Price per ea.
04-12674	Molded Seat for Midway Rush 2049	164.30

MOLDED SEAT FOR MIDWAY SAN FRANCISCO RUSH THE ROCK

- Original Midway seat for San Francisco Rush The Rock
- Made of durable molded plastic
- Color: Lime Green
- Made in USA
- Dimensions: 33.5" H x 29.13" D x 19.54" W

MIDWAY

Part Number		Price per ea.
04-10630	Molded Seat for Midway San Francisco Rush The Rock	164.30

MOLDED SEAT FOR MIDWAY C.A.R.T FURY

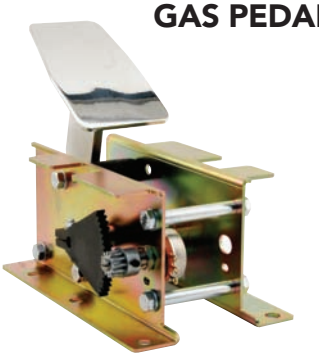
- Original Midway seat for C.A.R.T. Fury
- Made of durable molded plastic
- Color: Black
- Made in USA
- Dimensions: 33.5" H x 29.13" D x 19.54" W

MIDWAY

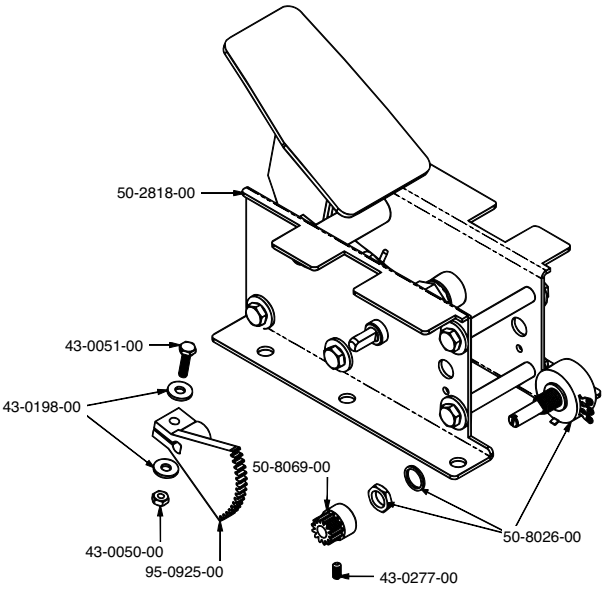
Part Number		Price per ea.
04-12674-1	Molded Seat for Midway C.A.R.T. Fury	164.30

GAS PEDAL - FLOOR MOUNT

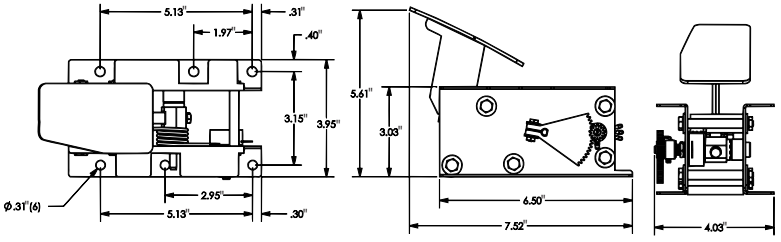
- Floor mount
- Allows for realistic driving simulation
- Steel construction
- With 5k potentiometer



Part Number		Price per ea.	L/6
50-2828-00	Gas Pedal - Floor Mount	158.15	140.60

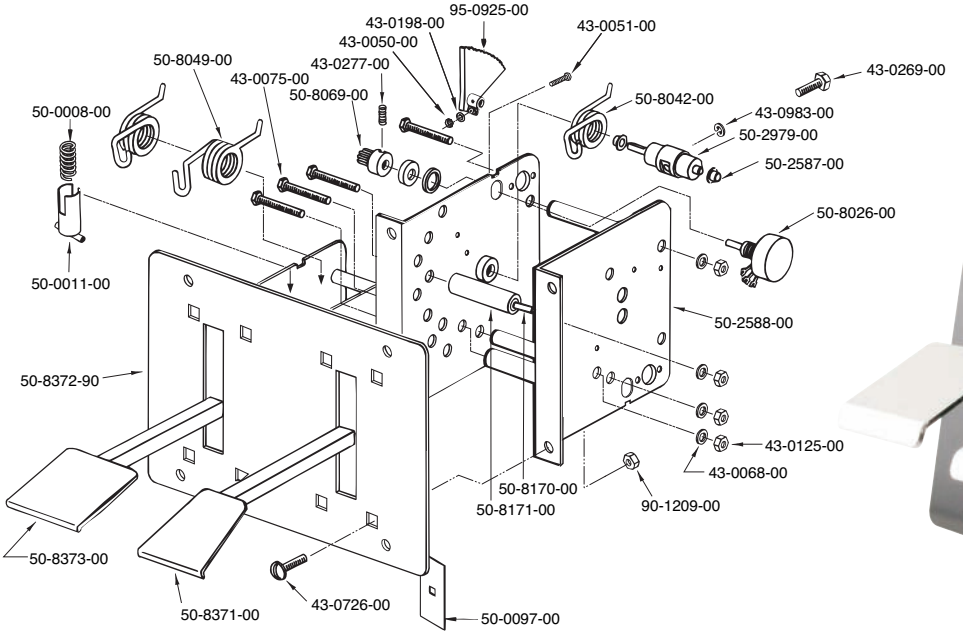


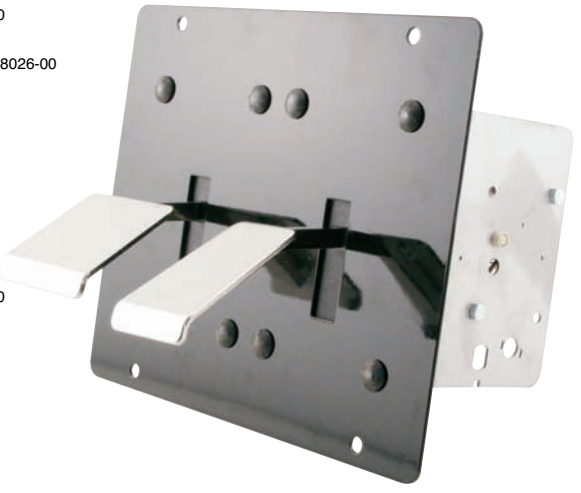
MOUNTING DIMENSIONS

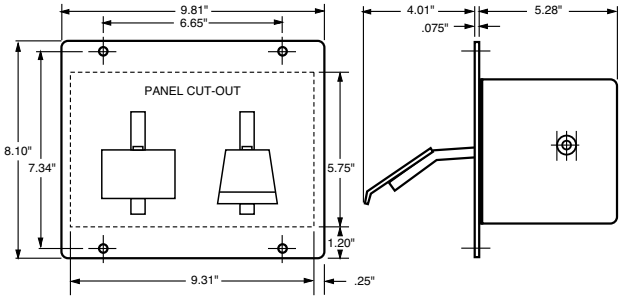


DUAL PEDAL

MOUNTING DIMENSIONS





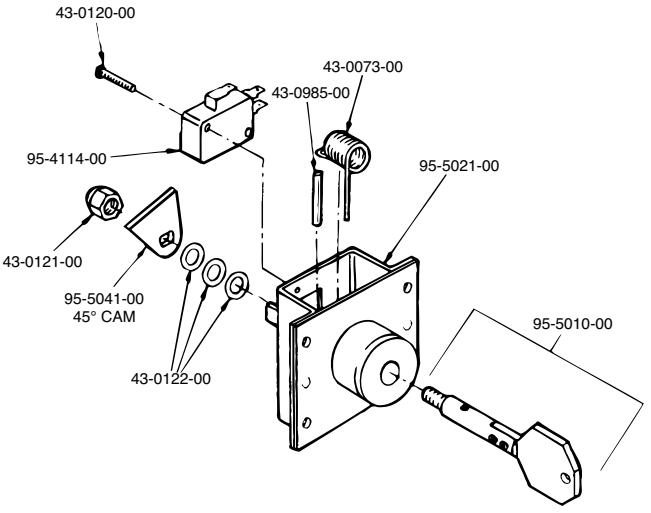


- Steel Construction
- 5K potentiometers or microswitch versions available

Part Number		Price per ea.	L/6
50-2978-00	Dual Pedal with Dual 5k Pots	110.30	104.80
50-2661-10	Dual Pedal with Microswitches	171.80	155.00

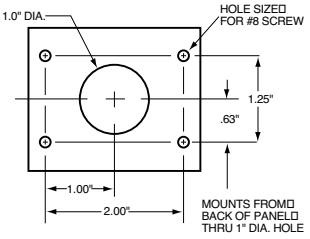
KEY SWITCH

- Simulates automobile ignition switch
- Durable steel construction
- Ideal for any driving game



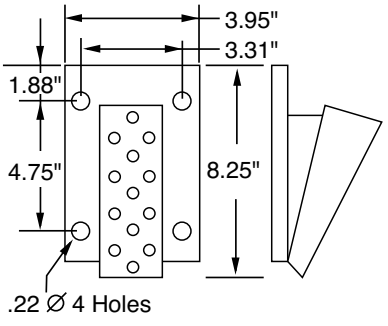
Part Number		Price per ea.	L/6
50-6003-00	45° Key Switch	59.70	56.60

MOUNTING DIMENSIONS



MODULAR PEDAL

- Steel construction
- With microswitch or with 5k potentiometer
- Suitable for exposed location



Part Number		Price per ea.	L/6
50-8194-00	Modular Pedal with Microswitch	58.25	51.80
50-8194-02	Modular Pedal with 5K Potentiometer	57.10	50.75

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REPLACEMENT PARTS FOR ATARI GAMES

80-0074-00

95-0570-00

95-0831-00

054224-01

054225-01

054726-01

Part Number	Description	Price per ea.
054224-01	Open Cell Foam, Hoop It Up	34.30
054225-01	Foam, Closed Cell - ATARI	19.35
054527-01	Net Atari Hoop It Up	13.00
054726-01	Control Panel Cover Hoop It Up	9.70
178400-001	Basketball Ball for Hoop It Up	2.00
50-8056-00	Pot, 5k	20.75
48-0026-00	Motor, Hoop It Up	112.25
80-0074-00	Power Supply, San Rush, Site 4	73.50
95-0570-00	Track Ball Bearing 95-570 for above Roller Sets	4.50
95-0831-00	Roller Set for 3" Trackball, Set of 3	12.60

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LOCATE A SALES REP NEAR YOU!

SUPER CHEXX HOCKEY GAME

- All Time Classic
- Indestructible dome that covers the playfield
- Gameplay is fast, exciting and realistic
- Players on both sides control all 5 hockey players and the goalie
- New electronics record Goals, Shots on Goal, Period, and Running Time
- Running time is adjustable
- Automatic puck return system
- Overhead dome lighting
- Sudden death overtime
- Equipped with $0.25 coin acceptors

Part Number		Price per ea.
48-0027-00	Super Chexx Hockey Game	2776.70

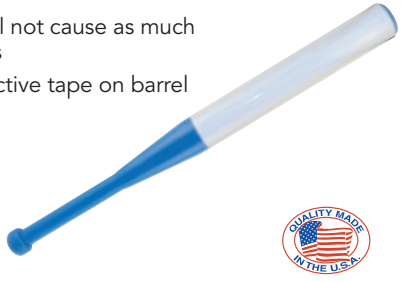
GEAR BOX FOR ICE CHEXX HOCKEY

- White gear box assembly
- Interfaces the "men" to the "rods" within the hockey game
- Ref. No. 3012X

Part Number		Price per ea.
ICE3012	Gear box For ICE Chexx Hockey	24.10

PLASTIC REFLECTIVE BAT

- Used on Interactive Light Home Run Derby and I.C.E. batting game
- Lightweight plastic bat will not cause as much damage as aluminum bats
- Blue handle with 3M reflective tape on barrel
- Length: 30"

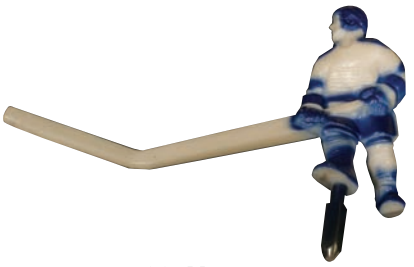


Part Number		Price per ea.
49-5236-00	Plastic Reflective Bat	36.30

REPLACEMENT PARTS FOR ICE GAMES

ICE3012

AR3024



7007X

7004X

Part Number	Description	Price per ea.
3002	Chute Net Assy For Chexx And Super Chexx	34.05
3008	Player Lock Washer – Clear Plastic	.88
3011	Corner Deflector for Chexx	3.70
3013X	Puck for Chexx Hockey	13.75
3025X	Ice Surface Assy For Chexx And Super Chexx	161.40
7002X	Red/White Goalie	24.65
7004X	Blue/White Goalie	24.65
7006X	Red Player Long Stick	24.65
7007X	Blue/White Player Long Stick	24.65
7008X	Red/White Player Short Stick	24.65
7009X	Red Player Short Stick	24.65
7010X	Blue/White Player	24.65
AR2008X	Ball Eject Optical Sensor For Ice Ball	64.75
AR2009X	Bonus Count Optical Sensor For Ice Ball	24.05
AR2009X12	Point Count Optical Sensor For Ice Ball	24.05
AR3024	Plastic Ice-Ball For Ice Ball Game	10.15
AR7014SX	Point Set Decal for Ice Ball	50.05
BB1034	Clutch for Full Court Fever	253.00
BB2008	Ball Gate Motor F/Cobra Hunt, Humpty Dumpty, Dump The Ump	102.00
BB2009X	Rotary Motor For Full Court Fever	205.40
BB2010	Linear Motor for Full Court Fever	332.40
BB2011X	Net Sensor Harness For Full Court Fever	258.25
BB2014X	Encoder Sensor PCB For Full Court Fever	54.00
BB3001	Basketball for Full Court Ferver	24.40
BB3022X	Chassis Wheel with Bushing for Ful Court Fever	22.77
BB7006	Liner Encoder Decal for Full Court Fever	12.15
BZ3020X	Ball Set (100) For Bozo's Grand Prize Game	111.35
CC2032X	Ticket Owed PCB for Cyclone	71.90
CC2033X	Jackpot PCB Display for Cyclone	85.30
CC3002X	Control Panel Assy For Cyclone	255.80
CG2008	Motor For Plush Bus	69.80
CG2012	Down Position Sensor for Plush Bus	9.40
CG2013	Left & Right Position Sensor for Plush Bus	12.15
DU3001	White Ball for Dump the Ump	2.40
FP2009X	Zero Count Optical Sensor For Ice Ball	24.05
HH1014A	Player Lever (Handle) for Hungry Hippo	39.15
HH2010	Gear Motor for Hungry Hippo	102.45
HH2010A	Gear Box only for Hungry Hippo	80.00
HH2028X	Eject Ball Sensor for Hungry Hippo	35.80
HH2046	35 Amp Bridge Rectifier	14.19
HH3020X	Ball Set (20) for Hungry Hippo	47.60
HP3001	Basketball For Half Pint Frenzy	14.50
ICE1002	Long Rod Collar for Chexx	30.85
ICE1003	Short Rod Collar for Chexx Game	17.15
ICE3008	Player Lock Washer For Chexx	.47
ICE3012	Gear Box For Chexx	24.10

REPLACEMENT PARTS FOR INCREDIBLE TECHNOLOGIES

29" PUMP ACTION SHOTGUN

- Made in USA
- Original OEM shotgun from Incredible Technologies used on Big Buck Hunter
- New optic PCB has innovative optic can holder that securely holds the optic in place and prevents breakage of optic legs due to shock
- Durable rubber hose, 57" length
- Reliable GOLD contact microswitch used for the trigger switch
- Color: Orange
- Slide action pump gives realistic feel
- Easier disassembly and assembly of gun via brass inserts inside gun, no nuts
- Holster clip (sold separately) 750000075

Part Number		Price per ea.
900890234	29" Pump Action Shotgun	239.99
750000075	Black Plastic Holster Clip	8.85

GUN KIT FOR 29" BIG BUCK HUNTER OPTICAL PUMP ACTION SHOTGUN

- Contains: One 29" left gun half and one 29" right gun half
- Color: orange
- Made in USA

Part Number		Price per ea.
96-0455-00	Gun Kit 29" Big Buck Hunter Optical Pump Action Shotgun	45.70

GOLDEN TEE® FORE UPDATED CONTROL PANEL ASSEMBLY WITH HAPP TRACKBALL AND PUSHBUTTONS

- Update your existing Golden Tee® to the most recent design standards
- Improved trackball mounting system allows for much easier way to remove the trackball for maintenance
- Bolt and screw heads are concealed for player safety
- Includes Happ 3" white trackball and pushbuttons
- Simple installation with the removal and reinstallation of a few screws
- Made in USA

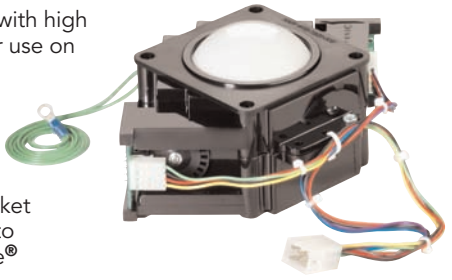
Part Number		Price per ea.
900242100	Golden Tee® Fore Updated Control Panel with Happ Trackball and Pushbutton	180.00

RETROFIT SECURITY HASP FOR GOLDEN TEE® GOLF

- Shackle protector and low profile mounting virtually eliminates break-in's
- Uses existing hardware on the game
- Made in the USA from 1/4" laser cut steel
- Black wrinkle powder coat paint matches the game's finish
- Uses hidden hinge for added security
- Laser cut smooth edges for safety

Part Number		Price per ea.
30-0004-01	Retrofit Security Hasp - Golden Tee®	52.50

3" DIAMETER WHITE HIGH LIP TRACKBALL FOR USE IN GOLDEN TEE® FORE 2002 - 2004 AND PGA TOUR GOLF



- Updated case design with high lip around trackball for use on new updated control panel design on newer Golden Tee® Fore 2003 - 2004 games.
- Includes a spacer bracket to allow this trackball to be used in Golden Tee® and Golden Tee® Fore 2002
- Highly specialized components provide the ultimate performance trackball for use with Golden Tee® Fore and PGA Tour machines
- Exceptional performance and precision is achieved from hardened steel shafts
- Optimized for all types of shots and skill levels of the most critical players
- Consistent manufacturing process provides a trackball with performance you can depend on
- Tested and preferred by elite "Gold Division" Golden Tee® Fore players
- Durability to last and maintain superior performance
- Case is constructed of durable impact resistant polycarbonate plastic material that resists cracking due to impact
- Powerful optics work even under dirty and dusty conditions
- "Red Board" PCB has improved circuitry to guarantee an optimized performance signal both at low and high rpm speeds
- Optic board utilizes surface mount technology and superior optics for increased reliability
- Standard AMOA harness included
- Note: If you have an earlier version of PGA Tour with a PS/2 configuration replace with part number 56-0400-11
- Proudly Made in USA

Part Number		Price per ea.
56-0100-11HL	3" Diameter White High Lip Trackball with Harness	94.50

REPLACEMENT PARTS FOR INCREDIBLE TECHNOLOGIES

THE PERFECT SOLUTION DUAL GAME KIT

NEW

- Now you can run 2 games in one cabinet!
- Revolutionary kit contains all the necessary components to combine a Sliver Strike Bowling kit into an existing Golden Tee game, so you can operate both games in the same cabinet
- Will also work with Golden Tee Live kits
- Works with both Golden Tee green and red PCB boards
- Easy installation within 15 minutes

Part Number		Price per ea.
95-2807-00	The Perfect Solution Dual Game Kit	406.85

27" MAKVISION HIGH RESOLUTION MONITOR SVGA/XGA

NEW

- Uses a high grade true-flat CRT
- Used by Incredible Technologies all newer Golden Tee Live and Silver Strike Bowling games
- Monitor Bezel sold separately (49-1857-00)
- UL Approved
- 1-year Warranty

MAKVISION INC.

Part Number		Price per ea.
49-2717-00	27" MakVision High Res. Monitor	509.99

POWER SUPPLY FOR GOLDEN TEE FORE® 2003 GAMES

- For use in Golden Tee® Fore 2003
- Original replacement for dedicated games with a Red PCB. Will not work for original Green PCB.
- DC Output: 3.3V 14A, 5V 25A, -5V .5A, -12V 1A, 5Vsb 1.5A
- Switch selectable AC input 115VAC/230VAC
- Overload protected
- ATX size
- 267 watts
- Size: 5.9" L x 5.5" W x 3.3" H
- UL, TUV, CE approvals

Part Number		Price per ea.
80-1247-00	Power Supply for Golden Tee Fore 2003	59.40

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REPLACEMENT PARTS FOR INCREDIBLE TECHNOLOGIES

POWER SUPPLY FOR GOLDEN TEE® LIVE GAMES

NEW

- For use in Golden Tee Live
- AC Input: 115/220-240V - , 7/3.5A, 60/50Hz
- MAX, DC Output: 300W (+3.3V & +5V=120W MAX)
- DC Output: +3.3V --- 20.0A(ORG), +5V ---- 20.0A(RED), +12V1 --- 8.0A(YEL)
  +12V2 --- 14.0A(YEL/BLACK), +5Vsb --- 2.0A(PURP), -12V --- 0.8A(BLUE)
- ATX size
- Approvals: TÜV, ЯU, CSA
- Includes line cord
- I.T. Ref. No. 745-000915

Part Number		Price per ea.
80-1247-60	300 Watt Power Supply for Golden Tee® Live	56.95

PUSHBUTTON WITH HORIZONTAL MICROSWITCH

- Fits wood or metal control panels
- New longer design: Easier to use within 3/4" wood control panels with Lexan
- Microswitch, tested to 10,000,000 cycles
- .187" terminal Cherry microswitch
- Gold contact microswitch available
- Durable NYLON material
- Pushbutton mounts in 1-1/8" hole
- Protective covers also available

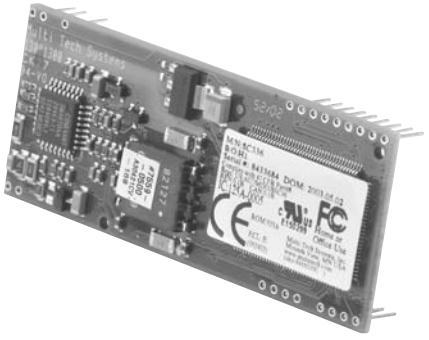
Part Number		Price per ea.
58-9100-L	Red Pushbutton with Horizontal Microswitch	2.25
58-9111-L	White Pushbutton with Horizontal Microswitch	2.25

POWER PRO DUAL SWITCH & REMOTE CAPABLE 200 WATT POWER SUPPLY

- +5v 20A, +12v 8A, -5v .5A, -12 .5A
- UL, CSA and CE Recognized
- 200 Watt power supply
- Great power supply for video games & video poker applications
- New Innovative Dual On/Off and Remote switch capable design.
- One switch on back and other on front of power supply to allow easy access to turn power On/Off
- Additional 8 Circuit Molex plug with +5vdc and +12vdc outputs for additional accessories
- Dual AC input 115vac/230vac, selectable by switch
- AC plug for hook-up of Bill Validator, 110vac 1.0A
- Metal case - AT size
- Physical Size: 3-1/2" H x 5-7/8" W x 5-1/2" D
- Supplied with 6' long SJT power cord

Part Number		Price per ea.
80-0002-10	200 Watt Dual Switch and Remote Capable Power Supply	30.90

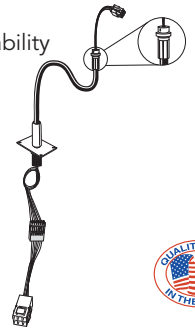
INCREDIBLE TECHNOLOGY PARTS



Part Number	Description	Price per ea.
510000336	Modem-Plug In (Golf 2002 Fore)	129.00
861000234	Start Button Big Buck Hunter	7.62
900003000	Video Card	178.45
900010242	Hard Drive ITS 2003	205.83
43-0094-00	Nut hex 6-32 (body)	.18
43-0095-00	Screw 8-32 x 3/8 t-10 torx (body)	.40
43-0253-00	Nut hex 10-32 jam nylock (pump)	.18
43-1248-00	Screw 10-32 x 1-1/4 bh torx (pump)	1.30
43-1294-00	Screw 6-32 x 5/16 bh torx (body)	1.30
95-1019-00	Optic Board	47.25
95-1493-00	Switch, trigger & pump	3.75
96-0311-00	Trigger Spring	3.20
96-0774-00	Trigger	6.80
96-0796-00	End Cap, Black Pump Rifle	7.35

KONAMI

REPLACEMENT HOSE FOR KONAMI TERABURST



- Special design provides increased durability over the original Konami gun hose assembly
- Includes hose, harness and rectangular mounting plate
- Easy to install, simply remove the original assembly and install the new Happ hose assembly
- Made in USA

Part Number	KONAMI	Price per ea.
95-1608-00	Konami Teraburst Gun Hose Assemblywith 37" hose	189.60
95-1608-50	Konami Teraburst Gun with 50" hose	189.20
312815	Replacement Trigger Switch	9.30

EXTERNAL DVD-ROM/CD-RW COMBO DRIVE

NEW

- Used with new Golden Tee Live game updates
- External 52x Write, 32x Rewrite, 52x Read and 16x DVD-ROM Read speed
- The drive has a portable design which allows you to take it anywhere
- Includes USB 2.0 standard connection
- Supports both 8cm and 12cm discs of CD and DVD family
- PC requirements: Intel Pentium® II 350 MHz or faster CPU and 125 MB or higher RAM are required
- Compatible with Windows® 98 / ME / 2000 and XP

Part Number		Price per ea.
49-2510-00	External DVD-ROM/CD-RW Combo Drive	129.99

REPLACEMENT SHOTGUN FOR KONAMI CRYPT KILLERS

- Will replace original shotgun for Konami Crypt Killers
- Orange gun with black pump action handle
- New innovative "inductorless" optic sensor board for increased reliability and accuracy
- Overall length 14"
- Durable rubber hose
- Made in USA

Part Number	KONAMI	Price per ea.
96-0424-00	Replacement Shotgun for Konami Crypt Killers	191.85

REPLACEMENT HOSE FOR KONAMI MOCAP BOXING

- Special design provides increased durability over the original Konami assembly
- Includes hose, harness and swivel assembly
- Easy to install, simply remove the original hose assemblies and install the new Happ assemblies
- Proudly made in the USA with durable rubber

Part Number	KONAMI	Price per ea.
95-1845-00	Replacement Hose for Mocap Boxing	155.00

LAMP FOR KONAMI 911 GAME

- 25T8DC
- 25 watt, 120 volts
- Color: Clear
- DC Bayonet base

Part Number	KONAMI	Price per ea.
91-0903-00	Lamp for Konami 911 Game	2.10

MERIT

54X REPLACEMENT CD-ROM DRIVE FOR MERIT MEGATOUCH

- Speed up the performance of your games with this lighting fast 54X speed drive
- Games load up faster and provide more playing time and earnings potential
- Easy installation
- 1 Year Warranty

Part Number		Price per ea.
49-3133-00	54x Replacement CD-Rom drive for Meit Megatouch XL Games	63.05

REPLACEMENT POWER SUPPLY FOR MERIT MEGATOUCH XL

- Replacement for Merit MegaTouch XL
- AT style with fan and remote switch
- Manufacture Reference EC7528-02
- +5v 26A, +12v 9A, -5v 0.5A, -12v 0.5A
- 250 watt

Part Number		Price per ea.
80-0312-00	Power Supply for Merit Mega Touch XL	55.99

REPLACEMENT POWER SUPPLY FOR MERIT MEGATOUCH BLUE MAXX

- Replacement for Merit MegaTouch Blue Maxx
- Manufacture Reference EC7531-01
- AT style with remote switch
- +5v 14A, +12v 5.5A, -12v 0.3A, +5vsb 1A, 3.3v 8A
- 145 Watt
- 1 Year Warranty

Part Number		Price per ea.
80-0314-00	Power Supply for Merit Mega Touch Blue Maxx	60.95
80-0006-35	Replacement Cooling Fan SA5117-05	5.50

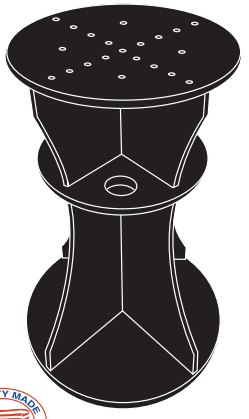
REPLACEMENT POWER SUPPLY FOR MERIT RADEON FORCE

- Exact Replacement for Merit Radeon Force
- Manufacture Reference EC7531-03
- AT style with fan
- +5v 10A, +12v 2.5A, -12v 0.3A, +5vsb 0.8A, 3.3v 7A
- 110 watt

Part Number		Price per ea.
80-0312-03	Power Supply for Merit Radeon Force	66.20

COUNTERTOP PEDESTAL

- Solution to those locations that don't want to give up their valuable bar top space
- Free standing sleek and attractive design enhances touchscreen & standard style countertops
- 3/4" black thermally fused melamine with double layered plywood base for increased stability
- Decorative black t-molding with brass in middle
- Four leg levelers to prevent tipping
- Pre-drilled holes for mounting lazy susan
- 2 drink holders included
- Overall height 40"
- Weight 60 lbs.
- Light assembly required
- Made in USA



Part Number		Price per ea.
96-0435-00	Coutertop Pedestal	212.25

COOLING FAN FOR MERIT POWER SUPPLY

- Replaces FD8015B12W3
- 3-1/8" x 3-1/8" x .59" (80mm x 80mm x 15mm)
- Sleeve bearing
- 12VDC
- 3500 rpm, 45 cfm

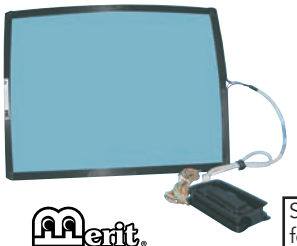
Part Number		Price per ea.
80-0006-35	Cooling Fan for Merit Power Supply	5.50

CPU DC COOLING FAN

- Ball bearing fan used in Merit Megatouch for the CPU board 12V, 0.16A

Part Number		Price per ea.
80-0006-15	CPU DC Cooling Fan	10.05

MERIT TOUCH SCREEN



SENSOR

See pages **325** and **328** for cleaners safe for use on touch screens , (29-1018-00 Glass Cleaner) or (29-1030-00 Wildcat Touchdown Cleaner

Part Number	Model Number		Price per ea.
49-7032-AT	SA9824-01	13" MicroTouch Touch Screen Mask For Merit XL and MAXX Games	254.95

MERIT

49-7032-AT

49-1746-10

49-2416-00

80-0314-00

80-0312-05

80-0312-00

TOUCH SCREENS AND CONTROLLERS

Part Number		Merit Ref.#	Price per ea.
49-7032-AT	13" 3M Touch Screen for Megatouch XL, Force Max & Blue Max	SA9824-01 & SA9824-02	216.00
49-7030-AT	19" 3M Touch Screen for Megatouch XL & Max Diamond	SA9823-01	209.85
49-6199-00	15" 3M Touch Screen for Force Radion	EC9850-03	346.75
49-5346-00	18V Touch Screen for Megatouch	—	300.90
49-2271-00	17" 3M Flat Touch Screen for Fusion	—	229.95
49-5099-00	15" 3M Flat Touch Screen for Easy Maxx & Fusion Ion, Force Elite Edge, Force Evo and Evo Wallete	EC9850-01 & EC9850-04	398.52
49-4035-00	Merit Touch Screen Tape Kit	SB0016-01	19.99
49-1746-10	Controller for Megatouch XL	—	115.30
49-2175-00	SMT4 Controller for Force Classic, Elite and Fusion	EC9840-08	256.40

REPLACEMENT MONITORS AND LCDS

Part Number		Price per ea.	Merit Ref.#
49-0681-00	19" Wells-Gardner VGA-SVGA Monitor for Merit XL, (VGA)	—	300.00
49-2311-00	15" VGA Monitor Only for Radion Force	EC9387-01	739.10
49-2416-00	15" LCD with Touch Screen for EVO, Elite Edge Ion	SA0496-01	602.20

REPLACEMENT POWER SUPPLIES

Part Number		Merit Ref.#	Price per ea.
80-0312-00	Power Supply for Megatouch XL and Maxx	—	55.99
80-0312-03	Power Supply for Force, Radion Force, Vibe and Megatouch Force	EC7531-03	66.20
80-0312-04	Open Frame Power Supply	EC7529-01	203.60
80-0312-05	Power Supply for EVO and Fusion	EC7536-01	56.99
80-0312-06	Power Supply for EVO Plus	—	59.99
80-0312-10	Power Supply For Ion Games	EC7538-01	56.99
80-0314-00	Mini Power Supply for Blue Maxx, Diamond and Radion	EC7531-01	60.95
92-2084-00	Vastech Deluxe ATX Power Supply Tester	—	14.70

MERIT

PA3024-01

SA0470-01

80-0006-15

49-2510-00

50-4083-00

REPLACEMENT HARD DRIVES

Part Number		Merit Ref.#	Price per ea.
PA3017-02	Force 2004 2K4.5 Hard Drive	—	179.00
PA3018-02	Force 2005 Hard Drive	—	179.00
PA3021-02	Force 2005.5 Hard Drive with Texas Hold'em Installed	—	179.00
PA3024-01	Force 2006 Hard Drive	—	179.00
PA3014-02	Force/Ruby Hard Drive 2003-5V 11.0	—	179.00
PA3012-02	Force 2002 Hard Drive	—	179.00
PA3008-01	Double Diamond Hard Drive	—	179.00
PA3009-01	Double Platinum Hard Drive	—	179.00
PA0049-03	Mr. Vips Hard Drive	—	179.00

42-7434-00

42-0652-00

REPLACEMENT FANS

Part Number		Merit Ref.#	Price per ea.
SA0470-01	Fan for Evo Games	—	11.55
SA0320-00	Fan 12VDC for Radion Force	SA0320-01	41.20
80-0006-15	CPU Cooling Fan for Megatouch	—	10.05
80-0006-16	Cooling Fan for Merit XL Series	—	8.95
80-0006-40	Cooling Fan for Radion Force	SA0320-01	6.90
80-0006-41	CPU Cooling Fan for Merit Force	—	6.95

MISCELLANEOUS PARTS

Part Number		Merit Ref.#	Price per ea.
49-3133-00	Liteon 52X CD-ROM Drive	—	63.05
49-2510-00	External DVD-Rom/CD-RW Drive	—	136.60
49-6199-00	Touchscreen 15" Trivia Radion	—	346.75
50-4083-00	Joystick for Evo Ion and Elite Edge Ion	SB0443-01	30.85
42-0562-00	6V Meter without Diode	EC9153	5.10
42-6914-00	12V Meter with Diode, no bracket	EC9154-02	6.15
58-9166-L	Black Pushbutton with Horizontal Microswitch	SW3044	2.25
91-1228-00	Ballast F/15-20 Watt Single Preheat Lamp Clamped Core	EC7012	4.30
80-0006-40	Dual Fan Radion Ct	—	6.90
80-1205-RA	6FT Power Cord, Right Angle on Female End	—	5.15
42-7382-00	MEI Downstacker 120VC $1,2,5,10,20 500-Bill Capacity AE2631D5E	HW8227-02	448.00
42-7434-00	MEI Upstacker 120V $1,2,5 AE2411U5E Used in Blue Maxx Countertop	—	349.95
SA10042-01	Optical Coin Sensor Board for Radion Force	—	43.35
HW0089-02	Black Reject Button	—	3.50
ECC0092-02	Merit On/Off Switch Assembly	—	58.50
HW8993-02	Lazy Susan	—	17.60
HW8018-01	Pad for Lazy Susan	—	10.65

HAPP MIDWAY SERVICE CENTER

Midway / Atari Game Boards and Hard Drives

Midway and Atari game boards and hard drives 1995 and newer, both electronic related and operator questions (settings, failure codes, etc.)
For other game boards call for details
EPROMs available for most Midway and Atari video games

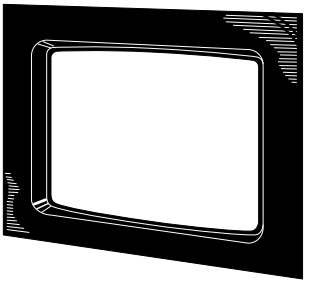
- No pinball repairs
- $50.00 minimum charge on PC boards
- $40.00 minimum charge on hard drives
- Repairs are done in our Elk Grove service center
- 30-day warranty on all repairs
- Repair plus replacement parts $125.00
- No Fault Found/Can not be repaired $50.00

Note: Please phone or fax customer service at the numbers listed below for an RMA form and number. In order to properly handle your repair, your return must have an RMA number on it.

Happ
106 Garlisch Drive
Elk Grove, IL 60007
Phone: 888-BUY-HAPP (289-4277)
Fax: 800-593-HAPP (4277)

MIDWAY

BEZELS

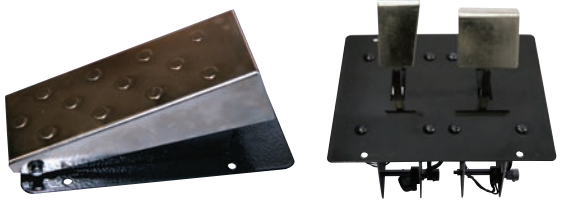


Part Number			Price per ea.
03-9893.1	Bezel, 27" Cruis'n World 3, C.A.R.T. Fury	SHIPPED UPS OVERSIZE	33.50 33.50
03-9917	Bezel, Rush 2049		131.30

PUSHBUTTONS (ILLUMINATED)

Part Number		Price per ea.
20-10129-1	IPB: Med/Rnd/Green "START"	8.70
20-10129-10	IPB: Med/Rnd/Orange "RADIO"	8.70
20-10129-2	IPB: Med/Rnd/Orange "RADIO"	8.70
31-2390-15	IPB: Oval Yellow - Hydro Thunder	8.70
20-10127-1	IPB: Rect/Red "LO RIDER"	6.95
20-10127-2	IPB: Rect/White "VIEW 2"	6.95
20-10127-3	IPB: Rect/Blue "SKY HI - VIEW 3"	6.95
31-2390-17	IPB: - White - Exotica	5.60
20-10127-2	IPB: - White - Cruis'n USA	6.95
20-10129-7	IPB: - Start - Offroad Challange	9.00
31-3215-1	IPB: - Start - Exotica	8.70
20-10129-5	IPB: - Start - Cruis'n World	8.60
20-10129-1	IPB: - Start - Cruis'n USA	8.70
31-2390-16	IPB: - Red - Exotica	8.70
20-10127-1	IPB: - Red - Cruis'n USA	6.95
20-10129-8	IPB: - Radio -Offroad Challange	9.00
20-10129-2	IPB: - Radio - Cruis'n USA	8.70
31-2390-18	IPB: - Blue - Exotica	5.60
20-10127-3	IPB: - Blue - Cruis'n USA	6.95

PEDALS



Part Number		Price per ea.
50-8194-03	Pedal Assy - Cruis'n Offroad Upright, 20-10161	71.10
50-2978-20	Dual Pedal California Speed, C.A.R.T. Fury, Cruis'n USA, Cruis'n Exotica, Cruis'n World and Offroad Thunder, 20-10135	122.35

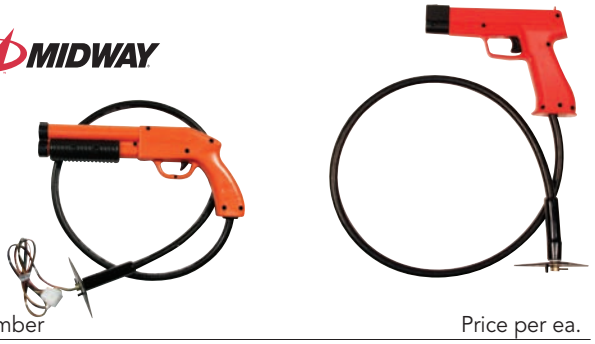
JOYSTICKS

Part Number		Price per ea.
50-3100-00	49 Way Joystick Assembly (A-21939-1)	44.99
56-0110-11	Trackball, High Ball for Grid (20-10683)	105.05

MOTORS

Part Number		Price per ea.
50-4043-00	# 14-8029, Cruis'n USA, Cruis'n World, Code One, Cruis'n	131.30
50-4013-00	# 14-8039. Rush 2049, HydroThunder, Arctic Thunder, Exotica, California Speed	142.05

OPTICAL GUNS



Part Number		Price per ea.
CARNEVIL		
A-22357-1	Carnevil Gun Assembly, Left, Purple	162.20
03-9738.2-1	Gun Housing Left, Purple	17.55
03-9739.2-1	Gun Housing Right, Purple	17.55
96-0301-00	Trigger, Black, 03-9740.2-3	11.15
96-0299-00	Cap, Black	10.05
04-12388.2	Gun PCB Assembly	47.05
96-0308-00	Gun Pump Spring, 10-529	2.05
96-0068-00	Gun Lens, 20-10426	15.75

SPEAKERS

Part Number		Price per ea.
5555-15098-00	Speaker, Dash Cruis'n World, Offroad Challange, Cab Exotica	23.05

MIDWAY

POTENTIOMETERS

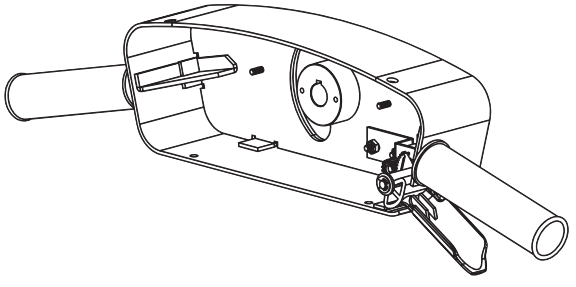
50-2670-00

Part Number		Price per ea.
50-8056-00	Potentiometer, Long Life, 5K Ohm, 119008-1001	20.75
50-2670-00	5K NEI Pot Road Burners H/BAR, 5014-16383-00	24.75
50-3127-00	1K Potentiometer Road Burners Pivot Mech, 5014-16384-00	28.60
96-4916-00	Potentiometer Exotica, 20-10186	31.50

ARCTIC THUNDER GRIPS

Part Number		Price per ea.
95-1457-00	Arctic Thunder Grips	5.65

STEERING WHEELS



Part Number		Price per ea.
50-8593-50	Motorized Steering Sub Assembly (No Hoop, Cap or Hub), Cruis'n Exotica, Offroad Thunder and Rush Series 20-10627	240.55
95-0999-00	Motorized Steering Sub Assembly Artic Thunder, 20-10688	415.95

SHIFTERS

Part Number		Price per ea.
50-8496-00	4-Speed Shifter Cruis'n USA, 20-10141	84.00
50-8496-01	4-Speed Shifter Rush Series, 20-10369	79.20

SEATS

04-12950

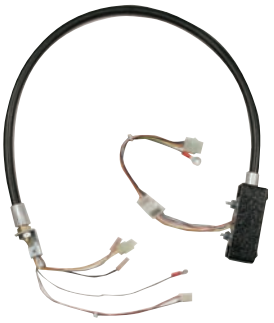
04-10630

04-12452-3

Part Number		Price per ea.
04-10173	Molded Black - Cruis'n World, Offroad Challange	164.30
04-10630	Molded Green - San Francisco Rush & Rock	164.30
04-11100	Molded Teal - Hydro Thunder	164.30
04-12452-3	Molded Purple - Cruis'n Exotica	164.30
04-12452-4	Molded Black – Cruis'n	164.30
04-12731	Molded Yellow - Offroad Thunder	164.30
04-12950	Seat, Arctic Thunder	288.40

SEE OUR EXPANDED SEAT SECTION ON PAGES 187-193

NAMCO REPLACEMENT PARTS



96-0546-00

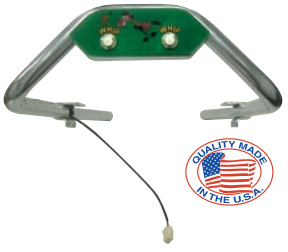
96-0454-00

VG75-03824-00

Part Number	Namco Part Number	Description	Price per ea.
CC09-235-017	CC09-235-017	Sensor PCB Cracky Crab	39.99
CZ-37-09328-00	CZ-37-09328-00	CCD Camera Assembly	343.10
96-0546-00	PB09-296-401	Gun Harness	169.95
SG09-008-006	SG09-008-006	5K Potentiometer	46.00
694-990	694-990	Gun Half Left for Crisis Zone	102.00
694-991	694-991	Gun Half Right for Crisis Zone	102.00
50-2624-00	MX96-07982-00	Timing Belt 522 x 3m x 15 for Motocross	13.65
95-0424-00	24305015-00	Cybercycle Throttle Spring	5.10
96-0454-00	PB09-296-467	Sensor for Time Crisis PCB	27.80

FINAL FURLONG REIGN FRAME

- New style with updated durable design to last longer
- Metal push button housing with steel reinforced plate to support graphic panel
- Durable round steel whip buttons
- Thicker .093" steel tube
- Better welds and stronger .129" thick mounting brackets
- Fully harnessed and ready to plug in
- Made in USA



Part Number		Price per ea.
FF05-06721-00	Final Furlong Reign Frame	299.99

NAMCO GUN LENS

- Original NAMCO lens
- Used on Time Crisis I, Time Crisis II and Point Blank

Part Number		Price per ea.
PB09-296-426	NAMCO Gun Lens	44.95

NAMCO FINAL FURLONG HORSE HEAD

- New updated design
- Smaller non-breakable ears
- Color molded eyes, no decals required
- Made from thermo-plastic elastomer
- Available in brown or gray
- Made in the USA

Part Number		Price per ea.
FF90-06774-00	Final Furlong Horse Head-Brown	225.00
FF90-06774-01	Final Furlong Horse Head-Gray	225.00

NAMCO FINAL FURLONG SADDLE

- Improved Urethane body for longer durability
- Filled foam center for player comfort
- Plywood bottom
- Made in the USA

Part Number		Price per ea.
FF90-06642-00	Final Furlong Saddle	139.99

CCD CAMERA ASSEMBLY FOR NAMCO & KONAMI GUNS

NEW

- Used on the following games: Namco Crisis Zone, Konami Hurricane and Terraburst

Part Number		Price per ea.
CZ-37-09328-00	CDC Camera Assembly for Namco & Konmai Guns	343.10

REPLACEMENT SOLENOID ASSEMBLY FOR NAMCO RECOIL GUNS

- This robust design will virtually eliminate service calls related to solenoid failure
- Slight modification of original gun halves required and the new unit simply fits into place
- 24vdc solenoid plug compatible
- For use in Time Crisis I, II, III, and Point Blank
- Made in USA

Part Number		Price per ea.
96-0452-00	Replacement Solenoid Assembly for Namco Recoil Guns	164.95

REPLACEMENT AMPLIFIED OPTIC SENSOR PCB FOR NAMCO RECOL GUNS

- This unique amplified optic sensor circuit provides improved performance over the original version
- Amplification circuit allows game to function with older monitors that may have lost brightness due to age
- Replaces Namco sensor part number PB09-296-467
- Utilizes same optic sensor as standard Happ Controls guns L14G1
- For use in Time Crisis I, II, III, and Point Blank
- Made in USA

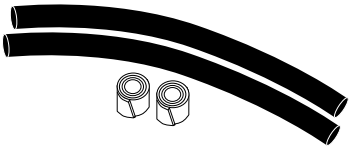
Part Number		Price per ea.
96-0454-00	Replacement Amplified Optic Sensor PCB for Namco Recoil Guns	27.80

METAL NOSE GUARD FOR NAMCO RECOIL GUNS

- Stop replacing those broken gun halves
- Protect and extend the life of your plastic gun halves by simply installing this durable stainless steel nose guard
- Comes with longer screw and nut required for installation
- For use in Time Crisis I, II, III, and Point Blank
- Recommend use of Loc-Tite on new screw and nut
- Made in USA

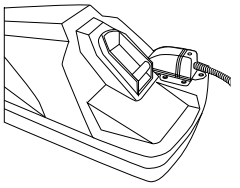
Part Number		Price per ea.
96-0453-00	Metal Nose Guard	29.55

NAMCO GUN HOLSTER PROTECTOR KIT

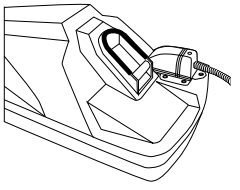


- Prevents premature failure of Namco gun parts due to guns contacting meta edge of gun holster
- Attractive black textured rubber surface protects guns from damage
- For use on Time Crisis I, Time Crisis II, Time Crisis III, Point Blank and Point Blank 2 games
- Easy to install kit includes components to protect two gun holsters

Before the Protector Kit is applied



After the Protector Kit is applied



Part Number		Price per ea.	L/12
96-2025-00	Namco Gun Holster Protector Kit	9.25	7.20

NAMCO GUN HARDWARE KIT

NEW

- Kit consists of the most common screws and nuts that used to assemble Namco guns

Part Number		Price per ea.
PB21-04904-00	Namco Gun Hardware	17.95

REPLACEMENT NAMCO GUN HALVES

- Used on Namco Time Crisis and Point Blank Games
- Available in Pink or Blue

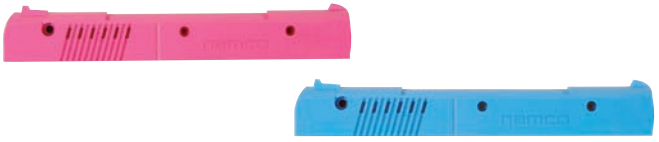
NEW

Part Number		Price per ea.
PB09-0343-0	Namco Left Gun Half, Pink	26.99
PB09-0343-1	Namco Right Gun Half, Pink	26.99
PB09-0343-3	Namco Right Gun Half, Blue	26.99
PB09-0345-2	Namco Left Gun Half, Blue	26.99

REPLACEMENT NAMCO GUN SLIDE HALVES

NEW

- Used on Namco Time Crisis and Point Blank Games
- Available in Pink or Blue



Part Number		Price per ea.
PB09-0342-6	Namco Left Gun Slide Half, Pink	22.05
PB09-0342-7	Namco Right Gun Slide Half, Pink	22.05
PB09-0342-8	Namco Left Gun Slide Half, Blue	22.05
PB09-0342-9	Namco Right Gun Slide Half, Blue	22.05

GUN SOLENOID FOR NAMCO POINT BLANK/ TIME CRISIS

NEW

Part Number	Price per ea.
PB09-0040-56	97.49

REPLACEMENT GUN HALVES FOR NAMCO

NEW

- Namco original components
- Used on Time Crisis 4 game
- Available in red or blue

Part Number		Price per ea.
TF091167400	Left Gun Half Red for Time Crisis 4	18.99
TF091167500	Right Gun Half Red for Time Crisis 4	18.99
TF091167700	Left Gun Half Blue for Time Crisis 4	18.99
TF091167800	Right Gun Half Blue for Time Crisis 4	18.99

NAMCO TIME CRISIS III GUN ASSEMBLIES

- Original Namco Components
- Available in Pink or Blue

Part Number		Price per ea.
PB03-03141-00	Time Crisis III Gun Assembly, Pink	495.00
PB03-03141-01	Time Crisis III Gun Assembly, Blue	495.00

GUN HALVES FOR NAMCO CRISIS ZONE

NEW

- Original Namco components
- Left or right halves available

Part Number		Price per ea.
694-990	Left Gun Half for Namco Crisis Zone	102.00
694-991	Right Gun Half for Namco Crisis Zone	102.00

NAMCO CYBERCYCLE SEAT

- Black Plastic
- New ribbed design for added strength
- Original OEM replacement
- Made in USA

Part Number		Price per ea.
CY90-03760-00	Cybercycle Seat	89.99

NAMCO TACH COVER

- Used on NAMCO Cybercycles
- New and improved durable steel reinforced design
- Made in USA

Part Number		Price per ea.
CY90-03761-001	Tach Cover	119.99

REPLACEMENT BRAKE LEVER

- Namco ref. # 22946016-00
- Used on Atari Superbike, Namco Cybercycle and Motocross Go
- Color: black

Part Number		Price per ea.
95-0448-00	Replacement Brake Lever	5.95

REPLACEMENT SOLENOID ASSEMBLY FOR NAMCO RECOIL GUNS

- This robust design will virtually eliminate service calls related to solenoid failure
- Slight modification of original gun halves required and the new unit simply fits into place
- 24vdc solenoid plug compatible
- For use in Time Crisis I, II, III, and Point Blank
- Made in USA

Part Number		Price per ea.
96-0452-00	Replacement Solenoid Assembly for Namco Recoil Guns	164.95

SEGA-SAMMY REPLACEMENT PARTS

Part Number	Description	Price per ea.
30-70-474	Prize Hanger Sports Arena	130.28
43-0094-00	Nut hex 6-32 (body)	.18
43-0095-00	Screw 8-32 x 3/8 t-10 torx (body)	.40
43-0253-00	Nut hex 10-32 jam nylock (pump)	.18
43-1248-00	Screw 10-32 x 1-1/4 bh torx (pump)	1.30
43-1294-00	Screw 6-32 x 5/16 bh torx (body)	1.30
95-1019-SG	Optic Gun PCB-Rifle (Sammy Style)	49.35
95-1493-00	Switch, Trigger & Pump	3.75
96-0311-00	Trigger Spring	3.20
99-50-310	Gun Full Size Rifle	200.00
95-2680-00	Gun housing Kit Left and Right	42.48
96-0772-00	Pump housing left	7.50
96-0773-00	Pump Housing Kit	7.50
96-0774-00	Trigger	6.80
96-0775-00	Rear cap	8.60
96-0776-00	Front aiming cap	6.45

SHOTGUN FOR SEGA-SAMMY DEER HUNTER

- Original OEM replacement
- Orange gun with black pump action handle
- Overall length 14"
- Durable rubber hose
- Made in the USA

Part Number		Price per ea.
96-0300-00	Sega-Sammy Deer Hunter Shotgun	154.99

27" PUMP ACTION SHOTGUN

- Made in USA
- Original OEM shotgun from American Sammy
- For use on the following American Sammy games:
  - Wing Shooting Championship
  - Turkey Hunting USA
  - Deer Hunting USA
- New optic PCB has innovative optic can holder that securely holds the optic in place and prevents breakage of optic legs due to shock
- Durable rubber hose, 57" length
- Reliable GOLD contact microswitch used for the trigger switch
- Color: Orange
- Slide action pump gives realistic feel
- Easier disassembly and assembly of gun via brass inserts inside gun, no nuts
- Holster clip set (sold separately) 95-50-303

Part Number		Price per ea.
99-50-310	27" Pump Action Shotgun	200.00
95-2680-00	27" Gun Half Replacement Kit Contains Left and Right Halves	42.48

REPLACEMENT BULBS FOR SPORTS ARENA

- Keep your games earning potential to it's maximum by replacing those burned out bulbs
- Each machine contains 57 Bulbs (6 Red, 51 Clear)
- Available in both Clear or Red bulbs
- 24 volts, 5 Watts

Part Number		Price per ea.
91-0051-00	Sports Arena Replacement Bulb, Clear	2.05
91-0050-00	Sports Arena Replacement Bulb, Red	2.05

SEGA-SAMMY USA SECURITY BAR KIT

- Direct fit for Sammy Wing Shooting Championship
- Wing Shooting Championship cabinets are pre-drilled for easy installation
- Installs in less than 10 minutes, simply remove the supplied bolts and install the two brackets
- Heavy duty black painted metal
- May also be used on Sammy 25" Upright and 33" Showcase cabinets with Deer Hunting USA, Turkey Hunting USA,
  (hardware for these cabinets must be purchased separately)
- Kit includes: Locking bar with enclosed padlock area, and 2 mounting brackets
- Made in USA

Part Number		Price per ea.
30-0200-00	Sega-Sammy USA Security Bar Kit	44.99

SEGA-SAMMY SCOPE GUN

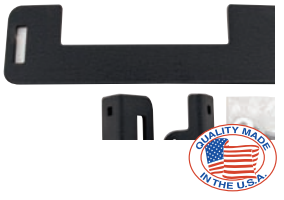
- Original OEM gun for American Sammy Sport Shooting game for ATOMISWAVE game system.
- Clear gun with red LED laser sight
- Durable rubber hose assembly
- Reliable optic PCB has innovative optic can holder that securely holds the optic in place and prevents breakage of optic legs
- Made in USA

Part Number		Price per ea.
53-50-320	Sega-Sammy Scope Gun	230.15

NOTE: See optical gun section for detailed views.

SEGA-SAMMY USA SECURITY BAR KIT

- Direct fit for Sports Arena
- Installs in less than 10 minutes
- Heavy duty black painted metal
- Kit includes: Locking bar, and 2 mounting brackets
- Made in USA



Part Number		Price per ea.
30-0200-01	Sega-Sammy Security Bar Kit	54.99

HOLSTER SET FOR 27" SEGA-SAMMY SHOTGUN

- Set contains two heavy duty metal clips
- Black powder coated
- All mounting hardware included
- Requires drilling of four holes

Part Number		Price per set
99-50-303	Holster Set for 27"Sammy Shotgun	27.35

SEGA

NIPPON LAMPS FOR SEGA

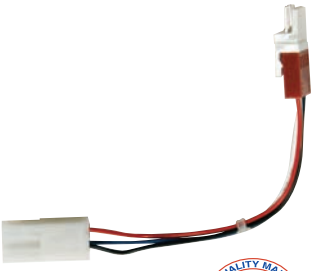
- Original OEM replacement parts
- Used on Star Wars and Daytona Deluxe (390-65790565R only)

NEW

Part Number		Price per ea.
390-65790565R	Nippon Lamp FLR25T6R	69.15
390-65790999R	Nippon Lamp FLR42T6R	68.70

HARNESS ADAPTER - SEGA GAMES

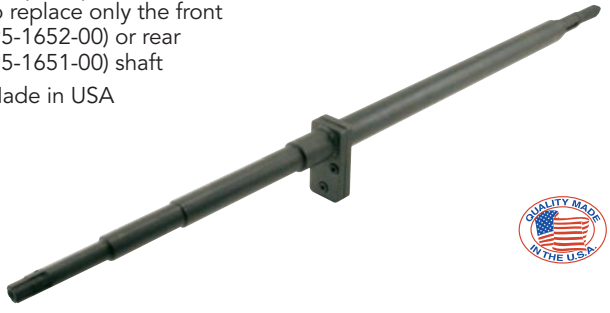
- Allows Happ Controls Optic Guns to be uses on Sega games
- Can be used on Virtua Cop, Virtua Cop 2, House of Dead 1
- Will no work on Lost World or House of Dead 2
- Happ Controls exclusive product
- Made in USA



Part Number		Price per ea.
96-0459-00	Harness Adapter – Sega Games	4.45

REPLACEMENT 2-PIECE STEERING SHAFT FOR SEGA

- Used on Sega Daytona II Deluxe & Sega Super GT Deluxe
- Spline shaft on front for attaching steering wheel
- Unique 2-piece design allows the future ability to replace only the front (95-1652-00) or rear (95-1651-00) shaft
- Made in USA



Part Number		Price per ea.
95-1653-00	Two-Piece Steering Rod Assembly	309.00
95-1652-00	Front Shaft for Steering Assembly	175.00
95-1651-00	Rear Shaft for Steering Assembly	180.25

REPLACEMENT HOSE FOR SEGA GUN TYPE I

- Special design provides increased durability over the original Sega Type I gun hose assembly
- Includes hose, harness and black triangle mounting plate
- Easy to install, simply remove the original assembly and install the new Happ hose assembly
- Made in USA

Part Number		Price per ea.
95-1595-00	Sega Type I Gun Hose Assembly	144.95

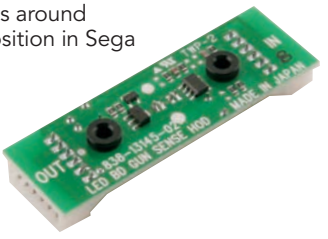
REPLACEMENT HOSE FOR SEGA GUN TYPE II

- Special design provides increased durability over the original Sega Type II gun hose assembly
- Includes hose, harness and rectangular mounting plate
- Easy to install, simply remove the original assembly and install the new Happ hose assembly
- Made in USA

Part Number		Price per ea.
95-1600-00	Sega Type II Gun Hose Assembly	144.95

LED GUN SENSOR BOARD FOR SEGA GAMES

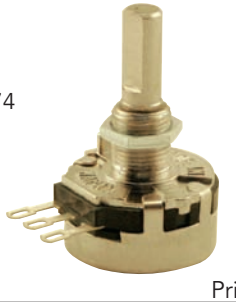
- This sensor board is used games around the monitor to sense the gun position in Sega
- Used on the following games: Lost World & House of Dead 2
- 12 per game



Part Number		Price per ea.
838-13145	LED Gun Sensor Board for Sega Games	44.99

REPLACEMENT 5K POT FOR SEGA GAMES

- Longer life design
- 1,000,000 cycle life
- Same as 220-5484 or 220-5374



Part Number		Price per ea.
220-5373	Replacement 5k Pot for Sega Games	19.55

GUN KIT FOR 29" BIG BUCK HUNTER OPTICAL PUMP ACTION SHOTGUN

NEW

- Contains: One 29" left gun half and one 29" right gun half
- Color: orange
- Made in USA

Part Number		Price per ea.
96-0455-00	Gun Kit for 29" Big Buck Hunter Optical Pump Action Shotgun	45.70

REPLACEMENT GUN HALVES FOR SEGA GHOST SQUAD

NEW

Part Number		Price per ea.
CTF-2101-00	Gun Half for Sega Ghost Squad (Left)	54.40
CTF-2102-01	Gun Half for Sega Ghost Squad (Right)	149.99

GUN HALF KIT FOR SEGA EXTREME HUNTING

NEW

Part Number		Price per ea.
96-0728-100	Gun Half Kit for Sega Extreme Hunting	54.99

SEGA 28" PUMP ACTION SHOTGUN WITH SPEAKER

NEW

- Used on Extreme Hunting 2 games
- Genuine Sega replacement part

Part Number		Price per ea.
99-50-324	Sega 28" Pump Action Shotgun w/Speaker	269.95

REPLACEMENT GUN HALVES FOR SEGA

NEW

- Original factory replacements
- Used on most Sega gun games
- Available in red and blue
- Set includes left and right gun half

Part Number		Price per ea.
2535-5408	Sega Gun Half Set Red	19.78
2535-5407	Sega Gun Half Set Blue	19.78

SEGA UNIVERSAL GUN KIT

NEW

- Original OEM replacement
- Each includes one complete gun with one spare set of gun halves
- Used on House of Dead 2, Lost World Jurassic Park and Confidential Mission

Part Number		Price per ea.
999-0836	Sega Universal Gun Kit	489.99

SPEAKER FOR SEGA 28" SHOTGUN

NEW

- Used on Extreme Hunting 2 Shotgun

Part Number		Price per ea.
130-5262P	Speaker for Sega 28" Shotgun	21.95

SEGA OPTICAL GUN HARDWARE KIT

NEW

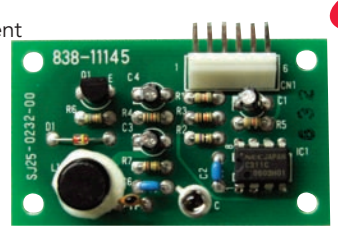
- Kit contains the nuts and screws that will assemble most Sega optical guns

Part Number		Price per ea.
999-1486	Sega Optical Gun Hardware Kit	6.29

OPTIC GUN BOARD FOR SEGA

NEW

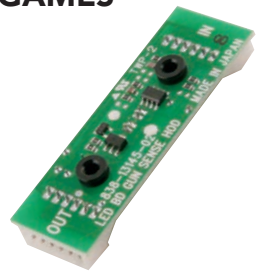
- Original OEM replacement
- Used on Virtua Cop and House Of Dead 1



Part Number		Price per ea.
838-11145	Optic Gun Board For Sega	49.30

LED GUN SENSE BOARD FOR SEGA GAMES

- This sensor board is used games around the monitor to sense the gun position in Sega
- Used on the following games: Lost World & House of Dead 2
- 12 per game



Part Number		Price per ea.
838-13145	LED Gun Sense Board for Sega Games	44.99

SEGA GUN SENSOR BOARD FOR 28" SHOTGUN

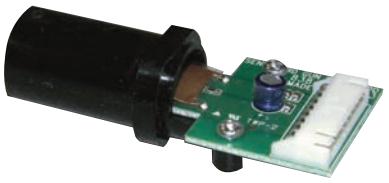
NEW

- Used on Extreme Hunting 2

Part Number		Price per ea.
837-14592	Sega Gun Sensor Board for 28" Shotgun	54.99

SEGA OPTICAL GUN SENSOR BOARD

- Used on Lost World and House of Dead



Part Number		Price per ea.
JPT-2030	Sega Optical Gun Sensor Board	205.95

REPLACEMENT PARTS FOR UNIVERSAL OPTICAL GUN BOARD

L14G1

96-0122-00

Part Number		Price per ea.	L/10
L14G1	Photo Transistor Sensor	10.55	10.05
96-0122-00	Inductor, 5.6 Millihenry	6.50	6.25

UNIVERSAL OPTIC GUN BOARDS

Type I

96-0066-100SMD

Type II

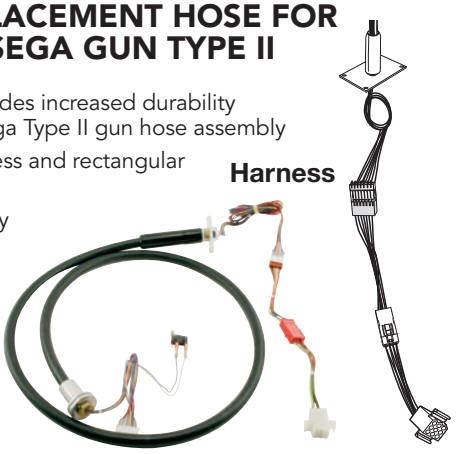
96-0066-200

- New surface mount design
- Universal PCB design allows one PCB to be used for both 4-Pin and 6-Pin applications
- New innovative "Inductorless" circuit design for increased reliability
- Direct replacement for Happ and Atari optic guns
- Type I Optic PCB has legs of optic sensor glued to aid in shock absorption
- New Type II Optic PCB has innovative optic can holder that securely holds the optic in place and prevents breakage of optic legs due to shock

Part Number		Price per ea.	L/10
96-0066-100SMD	Universal Optic Gun Board (Type I)	38.15	31.75
96-0066-200	Universal Optic Gun Board with Optic Holder (Type II)	28.35	24.15

REPLACEMENT HOSE FOR SEGA GUN TYPE II

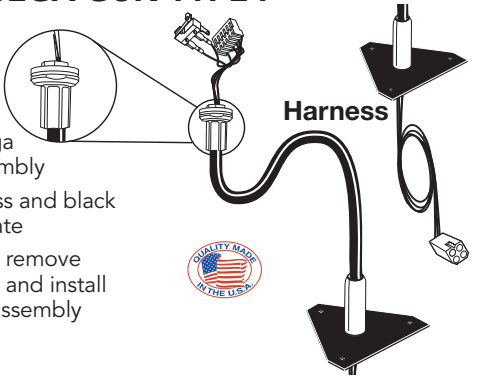
- Special design provides increased durability over the original Sega Type II gun hose assembly
- Includes hose, harness and rectangular mounting plate
- Easy to install, simply remove the original assembly and install the new Happ hose assembly
- Made in USA



Part Number		Price per ea.
95-1600-00	Replacement Hose For Sega Gun Type II	99.50

REPLACEMENT HOSE FOR SEGA GUN TYPE I

- Special design provides increased durability over the original Sega Type I gun hose assembly
- Includes hose, harness and black triangle mounting plate
- Easy to install, simply remove the original assembly and install the new Happ hose assembly
- Made in USA



Part Number		Price per ea.
95-1595-00	Replacement Hose For Sega Gun Type I	144.95

SEGA REPLACEMENT PARTS

KR-1127

96-2300-12SG

50-8500-00

JPT-2030

999-0836

Part Number	Description	Price per ea.
BVG-1418	Rubber Bumper	17.50
COP12000	Gun Blue Virtua Cop	295.00
DUT2009	Steering Shaft	219.99
DYN-1222	Shift Cover A	9.69
DYN-1223	Shift Cover B	7.25
DYN-1253	Shaft	140.25
DYN-1303	Spring	12.95
DYN-2169	Side Plate	3.70
FAS-000015	Screws Virtua Cop Gun	.31
FAS-500006	Cap Nut (9 per Gun)	.46
HN5113X	Brake Cable Upright	23.65
JPT-2030	Sensor Board for Gun, Lost World	205.95
KR-1126	Gear Outrun	32.95
KR-1127	Gear Large Nylon with Brass Insert	67.70
50-8500-00	Shifter Super GT Daytona Etc.	117.70
000-P00308-0B	Screw Virtua Cop Gun M3X8	.59
125-5124	Spring	2.35
253-5406-01	Trigger Blue	5.75
253-5406-02	Trigger Red	7.39
3905705	Bulb, 25W, Top Skater	16.34

Part Number	Description	Price per ea.
50-8500-00	Shifter Daytona 4-Speed	117.70
509-5003	Turbo Boost Switch, Green	30.85
509-5218	Start Button	18.50
509-5561-Y	Pushbutton Yellow with Switch	18.75
509-5779-BL	Button Music Select Harley Davidson	28.12
509-5779-GR	View Button Harley	40.23
509-5779-RE	View Button Harley	28.12
509-5779-YE	View Button Harley	28.12
60110560	Protect Tube, Right	33.99
60110561	Protect Tube, Left	33.99
601176551000	Protect Tube w/Wire Virtua Cop-Sega	124.95
601-5943	Gear	7.20
601-6005	Gear Adjust for G-Spot	4.80
601-8848	Air Regulator	458.29
838-11145	Gun PCB Virtua Cop	49.30
96-2300-12SG	Gun Blue, House of the Dead	99.80
999-0836	Gun Red Universal, Lost World	489.99
999-0857	Cable-Gun (House Dead III)	182.25
999-1013	Brake Assembly Pod Racer Mini Deluxe	418.66

SHUFFLE ALLEY

BOWLING PIN FOR WILLIAMS SHUFFLE ALLEY

- Replacement for Williams or United shuffle alley
- White plastic with red imprinting
- Overall length: 10”
- Mounting hole centers: 1.84”
- Made in USA

Part Number		Price per ea.
31-1445.1	Bowling Pin for Williams or United Shuffle Alley	3.20

BOWLING PIN FOR CHICAGO COIN

- Made from low density plastic
- Overall length: 10”
- Mounting hole centers: 1.42”
- White plastic with red imprinting
- Made in USA

Part Number		Price per ea.
51-0306-00	Bowling Pin for Chicago Coin	9.35

SHUFFLE ALLEY

EXTRA LARGE BOWLER PUCK

- 2-7/8"
- Rounded playing edge
- Red insert
- Bright chrome finish
- For use on bowling game

Part Number		Price per ea.	L/12
260001	Extra Large Bowler Puck	10.25	8.20

SHUFFLEBOARD PUCKS

- Heavy Chrome plated steel
- Plastic-topped caps
- High quality
- Set of 8 (4 Red / 4 Blue)
- Balanced for better feel and control

Part Number		Price per ea.
26-1138-00	American Made Shuffleboard Pucks	177.55
26-1450-00	Economy Shuffleboard Pucks	56.60

ORANGE SHUFFLE PUCK

- Used on Interactive Light Slide-It game
- Made from Delrin material

Part Number		Price per ea.
26-1520-00	Orange Shuffle Puck	5.85

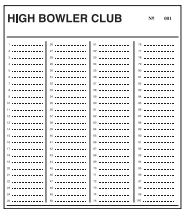
METAL COVER FOR WILLIAMS SHUFFLE ALLEY

- Williams ref# 01-8065
- Mounting holes are pre-drilled
- 24" L x 6" D
- Made in USA

Part Number		Price per ea.
01-8065	Metal Cover for Williams Shuffle Alley	29.45

HIGH BOWLER NUMBERED CARDS

- Used to list players scores and rankings
- Winning number under gold "scratch-off" seal
- 100 or 200 names per card



Part Number		Price per ea.
27-1112-100	100 Names	2.15
27-1112-00	200 Names	3.25

MILLS PINBALL PLAYFIELD WAX & CLEANER

- Excellent one step playfield wax and cleaner
- Great cleaner for rubber rings
- Non-abrasive
- 16 oz. squeeze bottle
- 12 per case

Part Number		Price per ea.
29-1040-00	Mills Pinball Playfield Wax & Cleaner	8.50

WILDCAT #125 PLAYFIELD CLEANER & POLISH

- Excellent in cleaning pinball playfields
- Excellent for removing and cleaning up wax buildup in vending machines "price tab holders"
- New style bottle prevents evaporation
- 12 per case

Part Number		Price per ea.
25-1333-00	Cleaner & Polish (Half Size)	14.80

SHUFFLE ALLEY SIDE RUBBER

- Adhesive backed
- 93.5" long
- Williams Ref # 03-7234
- Black rubber
- Made in USA

Part Number		Price per ea.
25-2002-00	Shuffle Alley Side Rubber	12.05

SHUFFLE ALLEY REBOUND RUBBER

- Will work on Williams Shuffle Alleys
- Williams Ref # 23-6456
- Black Rubber
- Length: 22.13"
- Made in USA

Part Number		Price per ea.
25-2001-00	Shuffle Alley Rebound Rubber	15.30

PARTS FOR SKEEBALL GAMES

NEW

800773-3

MA2-0111OR

25020

HW3041

SKEETOSS

Part Number		Price per ea.
800773-3	Skeeball Ball Sensor Omron 415	27.25
80072-4	Skeeball Ball Release Spring	4.35
8001361	Skeeball Lane Black Number Set	11.50
800179-52	Brown Plastic Skee Ball	9.70
80038933	Button Tower Of Power	55.50
SW3190	Limit Switch for Super Shot	41.00
GL2893	Super Shot Ball Guard Plexi	145.15
25020	Skeeball Sandpad Set	24.60
HW3041	Supernut for Supershot Worm	90.30
NT2844	Supershot Net	26.48
IC5695	Rotation Sensor Super Shots	55.20
800179-18	Skeeball Grey Plastic 2 1/4"	8.95
354-02E	Skeeball Ball Release Spring	3.04
SM5015	Bison Motor Mount Plate	33.48
SKEETOSS	Ball Skee Toss Pink	3.99
3400126	Small Dome Power of Tower	118.44
MA32418A	Skeeball Motion 8 Sensor Kit	97.18
MA32416	Encoder Wheel Super Shots	33.13
EA3144	Super Shot Hoop Sensor	164.76
CA32387	Rotation Sensor Cable Super Shots	64.24
900069-2	Rope Light 6ft White Skeeball	78.45
800065-2	Skeeball Lock and Key Set 2316	17.75
MS401	Skeeball, Super Shot Deluxe	176.25
EA8268	Motor Spin and Win	126.29
EA5911	Neon Replacement Kit	200.00
EA3315	Skeeball Motor for Super Shot	620.83
800865-1	Linear Actuator, Ball Gate	558.75
647007-1	Control Panel Overlay for The Big One Crane	48.49
340012-11	Dome Bottom Tower of Power	162.11
340012-10	Dome Top Tower of Power, Yellow	162.11
1600241	Plunger Circus Hi Rise Solenoid	62.95
100148-1	Right hand ballview channel	170.31
100147-1	Left hand middle channel	90.20
100146-2	Right hand channel	47.89
100146-1	Left hand channel for skeeball	47.89
100029-1	40 point ring for skeeball	37.13
100028-1	50 point ring for skeeball	32.49
100026-3	30 point ring for skeeball 10'	39.53
100026-2	20 point ring for skeeball 10'	56.10
100026-1	10 POINT RING FOR SKEEBALL 10"	92.77
100023-1	Target Carpet for skeeball 10'	115.18
100003-1	Runway Carpet for skeeball 10'	202.79
MOTION 8	MOTION 8 KIT FOR SKEEBALL	672.10
SKEEBALL	Skee Ball, Standard	8.30

SUN-GLO, SHUFFLEBOARD WAX

Listed In Order of Speed

SUPER-GLIDE SHUFFLEBOARD WAX

- Best shuffleboard wax anywhere
- Fastest wax from Sun-Glo®
- Pure silicone ball bearings
- Shaker top allows even dispensing
- 1 lb. Cans
- 24 per case

TOURNAMENT GOLD SHUFFLEBOARD WAX

- Approved by champions
- Extremely fast, but still allows intensive control
- High-Quality wax created especially for tournament play
- Not for dance floors
- Easy pour top allows even dispensing
- Second fastest Sun-Glo® wax
- 1 lb. Cans
- 24 per case

BROWN BEAR SHUFFLEBOARD WAX

- Another best seller of Sun-Glo® products
- Third fast wax from Sun-Glo®
- Perfect for a fast game with solid control
- Shaker top allows even dispensing
- 1 lb. Cans
- 12 per case

5-STAR SHUFFLEBOARD WAX

- A traditional favorite of shuffleboard players
- Slower formula allows more control
- Shaker top allows even dispensing
- Fifth fastest wax from Sun-Glo®
- 1 lb. can
- 12 per case

BOWLER SHUFFLE ALLEY WAX

- Provides a waxed surface without high speed
- Designed for older bowling shuffle alley games
- Shaker top allows even dispensing
- Contains no silicone balls
- Slowest wax in the line-up
- 1 lb. Cans
- 24 per case

MASTER GLAZE LIQUID WAX

- First step to revitalize the shuffleboard
- Creamy rich liquid polishes to a high glaze
- Apply first, then maintain with other Sun-Glo® waxes
- Quart size cans
- 12 per case

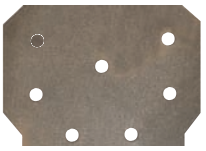
SILICONE SPRAY

- Specifically designed for Shuffleboard games
- Fast drying, leaves no greasy or oily film
- Simply spray a light film on a clean surface, then reapply powder for a fast shuffleboard
- Eliminates tracking and saves powder
- 12 oz. net wt.
- 12 per case

Part Number		Price per ea.	Full Case
49-0469-00	Super-Glide Shuffleboard Wax, 24 per case	4.60	4.10
29-0269-00	Tournament Gold Shuffleboard Wax, 24 per case	5.10	4.60
49-0482-00	Brown Bear Shuffleboard Wax, 12 per case	5.10	4.40
29-1020-00	5-Star Shuffleboard Wax, 12 per case	4.10	3.40
29-1057-00	Shuffle Alley and Bowler Wax, 24 per case	4.55	3.50
29-1034-00	Master Glaze Liquid Wax, 12 per case	12.95	11.75
29-1089-00	Silicone Spray, 12 per case	9.75	8.70

MISCELLANEOUS PARTS

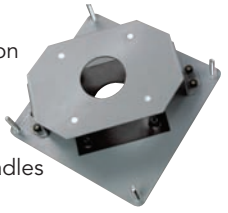
SPIDER STOMPIN FOOT PLAYFIELD PLEXI



- Replaces original Island Design playfield plexi
- Clear anti-slip surface
- Made in USA

Part Number		Price per ea.
51-0309-00	Spider Stompin Foot Playfield Plexi	167.35

HEAVY-DUTY 3" TRACKBALL MOUNTING KIT

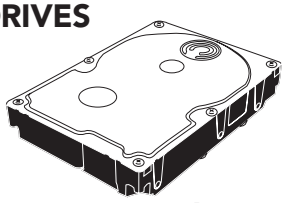


- Do away with those service calls caused by trackball mounting plate studs giving way on your golf games?
- Ideal solution for both Golden Tee™ and PGA Tour Golf games
- Innovative method of securing trackball cradles the trackball for the ultimate in support
- Shock-absorbing rubber to absorb impact of hits to trackball
- For use with both 3" Happ Controls and Betson Trackballs
- Use 39-0040-00 3M tape around the control panel to secure the graphic panel back into place
- Heavy-duty metal mounting plate to adapt trackball to wood control panel
- Clear zinc finish

Part Number		Price per ea.
55-0321-00	Heavy-duty 3" Trackball Mounting Kit	10.55
39-0040-00	3M Double sided Clear Tape 1/2" W x 36 Yards	11.10

HARD DRIVES

MIDWAY



Part Number		Price per ea.
A-22163	AREA 51	199.00
A-22509	AREA 51 SITE 4	199.00
A-23435	BLITZ 2000	199.00
A-23430	BLITZ 2K / NBA SHOWTIME	199.00
A-22080	CALIFORNIA SPEED	199.00
A-22331	CARNEVIL	199.00
A-23701	C.A.R.T. FURY	199.00
A-22402	GAUNTLET LEGENDS	199.00
A-23602	GAUNTLET DARK LEGACY	199.00
A-21676	MAX FORCE	199.00
A-22095	MAX FORCE / AREA 51	199.00
A-22694-1	NBA ON NBC / BLITZ 99	199.00
A-23703	NBA ON NBC GOLD	199.00
A-23350	OFFROAD THUNDER	199.00
A-22829	ROAD BURNERS	199.00
A-22165	SAN FRANCISCO RUSH	199.00
A-23195	SAN FRANCISCO RUSH 2049	199.00
A-21942	SAN FRANCISCO RUSH / ROCK	199.00
A-23453	SKINS	199.00
A-23344	TOUCHMASTER INFINITY	199.00
A-22117	VAPOR TRX	199.00

PROJECT ARCADE: BUILD YOUR OWN ARCADE MACHINE

- This 476 page book will enable you to construct your own arcade machine
- It contains all the details on building the console, cabinet, joysticks, buttons and track-balls
- Install and configure your software
- Play all your old favorite arcade games
- Have the ability to add new games
- Includes "GO PLAY" CD with complete cabinet plans and diagrams
- Links to hundreds of arcade cabinet projects

Part Number		Price per ea.
26-1911-00	Project Arcade: Build Your Own Arcade Machine	26.95

SEAGATE 20 GB HARD DRIVE

NEW

- 5400 RPM spindle speed
- Seek time 12.7 ms avg
- Interface Ultra ATA/100
- SeaTools Suite diagnostic software
- SoftSonic FDB motor
- Enhanced G-Force Protection

Part Number		Price per ea.
5902-16506-10	HDD Seagate 20GB 5400 RPM	75.00

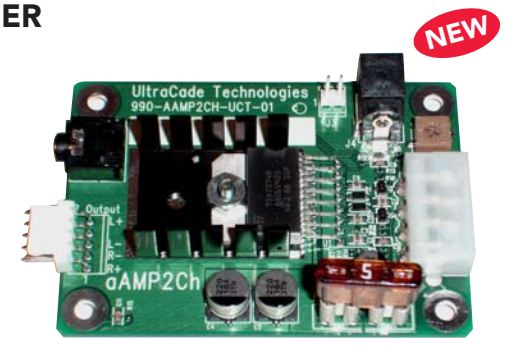
SLIKSTICK TORNADO SPINNER ASSEMBLY

- The Tornado spinner is best arcade spinning device in the market today
- Designed and fine tuned for optimal play
- Specialized one-piece bracket design, includes mounting holes and screw driver cutouts which makes for easy installation
- Includes SlikStick's custom designed optic PCD that utilizes a dual optical pickup interface, support for 3 mouse buttons and switchable (axis) operation via an onboard jumper
- Windows, Mac and Linux compatible and has automatic detection (No additional drivers or software is need for installation)
- All cables including PS2 and USB port hookup are included
- 3 different types of spinner knobs available, (Skirted, O-ring and Standard) in 5 different colors (Silver, Red, Blue, Black and Purple)
- When ordering the spinner assembly, you must choose a corresponding spinner from the list below

Part Number		Price per ea.
95-2657-00	SlikStick Tornado Spinner Assembly	71.00
Skirted Knob Assemblies		
50-0465-00A	Sliver Knob Assembly	18.95
50-0465-10A	Red Knob Assembly	18.95
50-0465-12A	Blue Knob Assembly	18.95
50-0465-16A	Black Knob Assembly	18.95
50-0465-20A	Purple Knob Assembly	18.95
O-ring Knob Assemblies		
50-3183-00A	Silver Knob Assembly	18.95
50-3183-10A	Red Knob Assembly	18.95
50-3183-12A	Blue Knob Assembly	18.95
50-3183-16A	Black Knob Assembly	18.95
50-3183-20A	Purple Knob Assembly	18.95

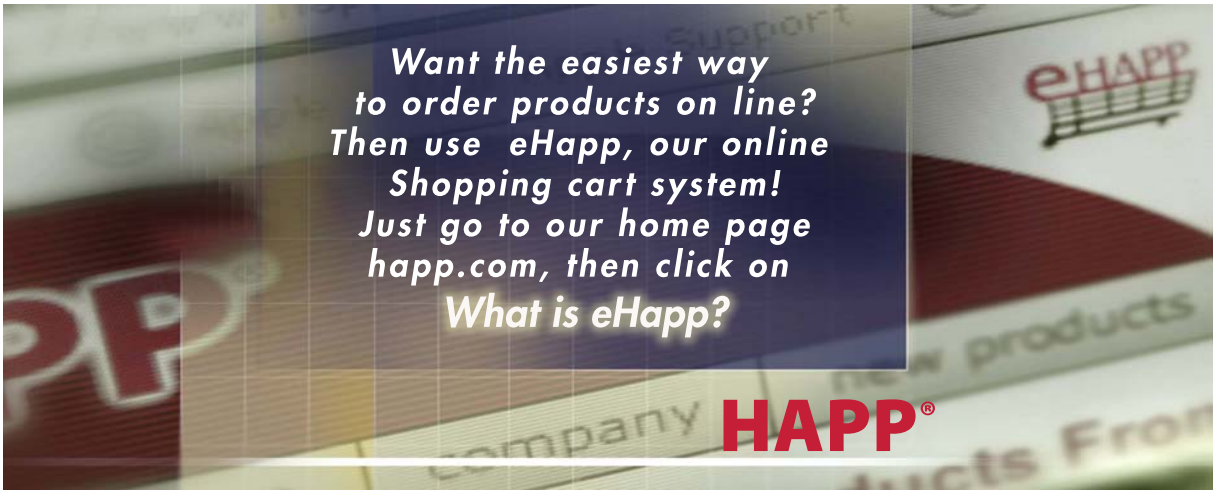
Part Number		Price per ea.
Standard Knob Assemblies		
50-3184-00A	Sliver Knob Assembly	18.95
50-3184-10A	Red Knob Assembly	18.95
50-3184-12A	Blue Knob Assembly	18.95
50-3184-16A	Black Knob Assembly	18.95
50-3184-20A	Purple Knob Assembly	18.95

2-CHANNEL AUDIO AMPLIFIER



- 2-channel audio amplifier for Kiosk, Gaming, Arcade and other coin-op applications
- Four corner holes allow mounting to any surface
- Can be mounted in a PC or externally with optional case
- Supports external volume control
- Unit can be powered by standard PC HDD connector or 12VDC power supply
- 36-watt stereo audio amplifier board
- Supports 4 or 8 Ohm speakers

Part Number		Price per ea.
96-0632-00	2-Channel Audio Amplifier	64.95



REDEMPTION MALLET

- Rugged construction with new improved durability
- Head Size 5.5" dia. x 5" tall
- Overall length 11-3/4"
- 48" security cable
- Blue cloth color

Part Number		Price per ea.	L/25
51-5000-00	Redemption Mallet	42.05	36.75

LARGE REDEMPTION MALLET

- Rugged construction with new improved durability
- Head Size 7" dia. x 6.5" tall
- Overall length 13-3/4" long
- 48" security cable
- Black cloth cover
- Replacement for Whac-A-Mole, Robo-Bop and Circus games

Part Number		Price per ea.	L/25
51-5001-00	Large Redemption Mallet	63.00	57.30

EXTRA LARGE BOWLER PUCK

- 2-7/8"
- Rounded playing edge
- Colored insert
- Bright chrome finish
- For use on bowling games

Part Number		Price per ea.
260001	Extra Large Bowler Puck	10.25

ORANGE SHUFFLE PUCK

- Used on Interactive Light Slide-It game
- Made from Delrin material

Part Number		Price per ea.
26-1520-00	Orange Shuffle Puck	10.25

SHUFFLEBOARD PUCKS

- Heavy Chrome plated steel
- Plastic-topped caps
- High Quality
- Set of 8 (4 Red / 4 Blue)
- Balanced for better feel and control

Part Number		Price per set
26-1138-00	American Made Shuffleboard Pucks	177.55
26-1450-00	Economy Shuffleboard Pucks	56.60

PLASTIC REFLECTIVE BAT

- Used on Interactive Light Home Run Derby and I.C.E. batting game
- Lightweight plastic bat will not cause as much damage as aluminum bats
- Blue handle with 3M reflective tape on barrel
- Length: 30"

Part Number		Price per ea.
49-5236-00	Plastic Reflective Bat	57.30

ORIGINAL SOCCER BALL FOR KICK-IT GAME

- NEW IMPROVED DESIGN! Lasts longer!
- A Happ Controls exclusive!
- Original soccer ball for Interactive Light Kick-It games
- 32 panel, #4 ball with polyurethane bladder and steel insert

Part Number		Price per ea.	L/12
49-5223-00	Original Soccer Ball For Kick-It Games	75.60	70.35
49-5223-10	72" Tether	19.25	18.50

RACQUETBALLS

- Used in all "Rolldown"type redemption games
- Color: Blue or Yellow
- Size: 2-1/4"
- Made in the U.S.A.

Part Number		Price per ea.	L/12	L/144
49-0654-00	Blue Racquetballs	2.05	1.75	1.40
49-0654-05	Yellow Racquetballs	2.10	1.80	1.60

BASKETBALLS

- For all coin-op basketball games
- Looks just like real pro basketballs
- Made of durable rubber with an interior spun bladder

Part Number		Price per ea.
49-3020-00	5-1/2" Mini-Basketball, Multi-Color	5.15
49-0471-00	7" Orange Basketball	5.15
49-1264-00	7" Red, White & Blue Basketball	6.65
49-5353-00	8.75" Junior Basketball	5.30
49-0825-00	9" Orange Intermediate Size	8.30
49-5178-00	9-1/2" Orange Basketball – Official Size	7.45

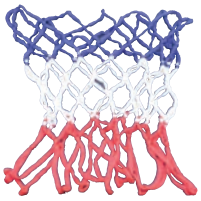
STEEL CHAIN BASKETBALL NET

- For Rage in the Cage and other games
- Regulation size

Part Number		Price per ea.
49-0650-005	Steel Chain Basketball Net	16.90

BASKETBALL NET

- 12 loop construction
- Color: red, white and blue



Part Number		Price per ea.	L/12
49-0650-00	Basketball Net- Red, White, Blue	5.25	4.65
49-0650-01	Basketball Net-White	5.25	4.65

BALL PRESSURE GAUGE

- Calibrated 1 to 20 lbs. In 1/2 lb. units
- For all balls with standard inflating valves
- Check pressure on location, in the field or on the court
- Includes two inflating needles
- Accurate and easy to use
- Put one in every tool box

Part Number		Price per ea.
49-1839-00	Ball Pressure Gauge	6.65

HAND PUMP FOR INFLATING BALLS

- 10" length
- Great for inflating basketballs, footballs, soccer balls

Part Number		Price per ea.
49-5360-00	10" Hand Pump	5.65

INFLATING NEEDLE

- Made of Aluminum
- Handy for filling basketballs, footballs, an soccer balls
- 100 per bag, can be sold individually

Part Number		Price per ea.
49-5359-00	Inflating Needle	.31

9" JUNIOR FOOTBALL

- For all coin-op football games
- Looks just like real pro footballs
- Made of durable rubber
- Machine-sewn rubber panels with deep pebbling on surface
- Synthetic leather lacing
- Two-ply fabric lining and butyl bladder
- 1/2" white stripes meet high school and college specifications

Part Number		Price per ea.	L/50
49-0470-00	9" Junior Football	8.25	7.70

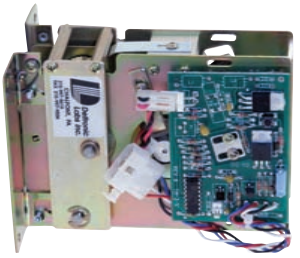
BUZZY BEE BALL

- Used on Bay Tek Buzzy Bee Game
- Bay Tek ref. no. A5BA4000
- Color: Yellow and Black

Part Number		Price per ea.
51-0310-00	Buzzy Bee Ball	1.75

DELTRONIC LABS TICKET DISPENSER

- "Quick Release" face plate
- You can "snap out" one ticket dispenser and immediately replace it with another in just seconds. No tools necessary
- Easy access to front of rollers and ticket guides
- Bottom METAL ticket guide
- Foolproof braking system is easily adjustable
- Optical sensor dust cover reduces maintenance
- Validation "Diamond" mark identifies tickets
- Adjustable ticket stop
- Compact and lightweight - 3"W x 4"H x 5-1/2"L, 2-1/4 lbs.



Blanking Plate (42-3394-00) Available

Part Number		Price per ea.	L/10
42-0544-00	Deltronic Labs DL-1275 Continuous Type Ticket Dispenser	164.65	158.30
42-0547-00	Deltronic Labs DL-4-S-S Pulse Type Ticket Dispenser	167.95	161.45

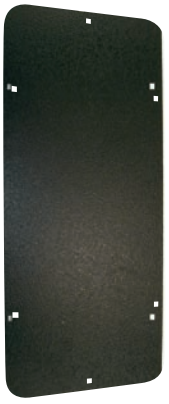
REDEMPTION TICKETS

- Stock 1 5/32" x 2" Redemption Tickets
- Printed one side - "One Coupon"
- Consecutively single numbered
- 2,000 tickets per pack (string tied)
- Sold per pack of 2,000
- 30 packs per case
- **Custom imprinting available**

Part Number		Price per pk.	L/30
49-0906-00	Redemption Tickets, Blue	5.85	5.25
49-0906-10	Redemption Tickets, Red	6.65	6.05
49-0906-13	Redemption Tickets, Green	6.65	6.05
49-0906-15	Redemption Tickets, Yellow	6.65	6.05
49-0906-16	Redemption Tickets, Gray	6.65	6.05
49-0906-17	Redemption Tickets, Orange	6.65	6.05
49-0906-18	Redemption Tickets, Pink	6.65	6.05

BLANKING PLATE FOR DOOR CUTOUT

- For use with ticket dispenser and bill validator doors
- Covers the hole where the door has been removed
- Black finish – blends In with equipment
- Easy installation with bolts (sold separately)
- Size: 16.05" H x 7.09" W
- Made in USA



Part Number		Price per ea.
42-0663-00	Blanking Plate for Door Cutout	20.75

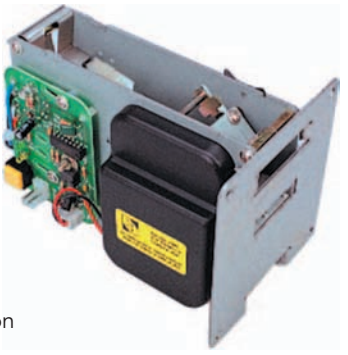
TICKET DISPENSER MOUNTING PLATE

- Allows Ticket Dispenser to mount to front of game with carriage bolts
- Simply cut out square hole and install
- Made from durable Stainless Steel

Part Number		Price per ea.	L/10
42-1268-00	Ticket Dispenser Mounting Plate	13.00	11.80

ENTROPY 2000 TICKET DISPENSER

- Reduced ticket jams
- Easy to remove front plate
- Covered optic sensor
- Ticket feed button for easy ticket loading
- Direct compatibility to all major ticket dispensers on the market
- Adjustable Ticket Widths (1" or $1\frac{5}{32}$")
- High speed ticket dispensing 3 tickets per second
- Virtually Dust Free Ticket Validation with extra deep embossment of tickets for additional security
- Diagnostic LED sensors
- Fully accessible ticket path with durable stainless steel guide
- 12 Month Warranty (15 months from date of manufacture)



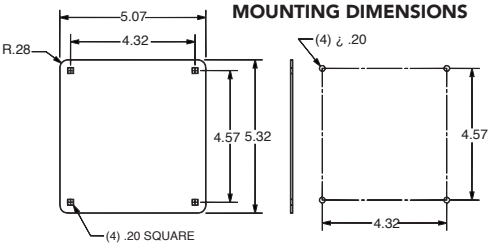
Entropy U.S.A.

Part Number		Price per ea.	L/6	L/11	L/25
42-1337-00	Entropy 2000 Ticket Dispenser Continuous Type (TD963CR)	101.95	96.95	91.95	86.95
42-1337-10	Entropy 2000 Ticket Dispenser Pulse Type (TD963PR)	107.95	99.95	94.95	94.95

BLANKING PLATE FOR TICKET DISPENSERS

- Now you can remove your ticket dispenser and cover the hole with an OEM blanking plate
- Black painted metal blends in with equipment
- Size: 5.32" x 5.07" x .20"
- Easy installation with bolts (sold separately)
- Made in USA

MOUNTING DIMENSIONS



Part Number		Price per ea.
42-3394-00	Blanking Plate for Ticket Dispensers	11.85

TICKET DISPENSER LABELS

- Great way to attract attention to ticket dispensing machines
- Simply peel off and stick on
- Black printing on bright yellow background
- Durable polystyrene material adhesive backed
- Size: 5.5" x 4"
- Complete set of 3 decals: "Tickets", "Tickets with Arrow", and "For Amusement Only"

Part Number		Price per ea.	L/25
42-1378-00	Ticket Dispenser Label Set	2.30	2.10

3" PLASTIC BALL FOR REDEMPTION GAMES

- Great replacement for composite wood balls
- For use on Roller Ball type redemption games
- Used by leading Family Entertainment Centers
- Durable long life plastic finish
- Note: Will not work on Skeeball or Lighting games that use optic senors
- Same size and weight as composite wood balls
- Color: Black
- Made in the USA

Part Number		Price per ea.	L/48
49-0489-10	3" Plastic Ball	6.00	5.20

2" MELTEC BOOM BALL

- Original Meltec design
- Meltec P/N 0110B
- For use with Meltec Cannon Style redemption games
- Black Rubber

Part Number		Price per ea.	L/48
49-0488-00	2" Meltec Boom Ball	9.35	8.95

4-1/2" BOWLING BALL

- For Ball Bowler games
- Solid one-piece construction
- Color: Red and White marbelized design

Part Number		Price per ea.
26-1425-00	4-1/2" Bowling Ball	47.35

PARTS FOR PLANET EARTH

MA2-0111

MA2-0111OR

Part Number		Price per ea.
MA2-0111	Raptor Captor Bladder Set of 4	235.95
TB10005RC	Motor Claw Raptor Captor	239.59
TB10005	Motor Tier Treasure Falls	229.00
MA2-0111OR	Raptor Captor Bladder Ring Set	122.05
PC1-1025-R	Ramp Sensor Raptor Captor	125.00
MA210632	Bladder Raptor Captor Set Of 2	121.45
MA20111R	Bladder Ring Set Of 4	124.44
TB42004	Coin Switch Planet Earth	17.48
TB3-0002	Crank, Upper, Treasure Falcs	86.67
PC11007RC	4 digit display Raptor Captor	252.95
MA210632R	Bladder Ring set of 2 for Raptor Captor	64.76
HH9-0109-C	Pirates Revenge Yellow Drive	89.05
HA9-0006	28 Pin Ribbon	45.00
CA40094S	Sensor Claw	82.55
CA4-0100	Volcano Sensor	125.00
CA4-0099-S	Raptor Captor Small Score Hoop	130.79
CA4-0099-L	Raptor Captor Large Score Hoop	130.79
TR40027L	Control Panel Left Planet	124.58
TB2-0004-2	#2 Tooth for Jumbo Treasure	108.34
SK1-GSK	Spring Kit for Dynoscore Gun	55.00
PC110071	Display for Dynoscore	575.57
MA2-0041-RC	Raptor Captor Turntable Motor	234.76
MA2-0041	Motor, Spinner, Dynoscore	248.33
HH9-0084-D	Belt for Dynospin Planet Earth	77.78
HH6-0018-Y	Hoop Sensor Raptor Captor	116.67
HA1-0061	Switch for Jumbo Treasure	25.74
CA10046	Power Supply +13VDC 20 amp	305.00
BU2-0006	Raptor Captor Ball Strike	110.09

PARTS FOR SKEEBALL GAMES

NEW

800773-3

MA2-0111OR

25020

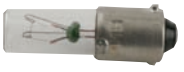
HW3041

SKEETOSS

Part Number		Price per ea.
800773-3	Skeeball Ball Sensor Omron 415	27.25
80072-4	Skeeball Ball Release Spring	4.35
8001361	Skeeball Lane Black Number Set	11.50
800179-52	Brown Plastic Skee Ball	9.70
80038933	Button Tower Of Power	55.50
SW3190	Limit Switch for Super Shot	41.00
GL2893	Super Shot Ball Guard Plexi	145.15
25020	Skeeball Sandpad Set	24.60
HW3041	Supernut for Supershot Worm	90.30
NT2844	Supershot Net	26.48
IC5695	Rotation Sensor Super Shots	55.20
800179-18	Skeeball Grey Plastic 2 1/4"	8.95
354-02E	Skeeball Ball Release Spring	3.04
SM5015	Bison Motor Mount Plate	33.48
SKEETOSS	Ball Skee Toss Pink	3.99
3400126	Small Dome Power of Tower	118.44
MA32418A	Skeeball Motion 8 Sensor Kit	97.18
MA32416	Encoder Wheel Super Shots	33.13
EA3144	Super Shot Hoop Sensor	164.76
CA32387	Rotation Sensor Cable Super Shots	64.24
900069-2	Rope Light 6ft White Skeeball	78.45
800065-2	Skeeball Lock and Key Set 2316	17.75
MS401	Skeeball, Super Shot Deluxe	176.25
EA8268	Motor Spin and Win	126.29
EA5911	Neon Replacement Kit	200.00
EA3315	Skeeball Motor for Super Shot	620.83
800865-1	Linear Actuator, Ball Gate	558.75
647007-1	Control Panel Overlay for The Big One Crane	48.49
340012-11	Dome Bottom Tower of Power	162.11
340012-10	Dome Top Tower of Power, Yellow	162.11
1600241	Plunger Circus Hi Rise Solenoid	62.95
100148-1	Right hand ballview channel	170.31
100147-1	Left hand middle channel	90.20
100146-2	Right hand channel	47.89
100146-1	Left hand channel for skeeball	47.89
100029-1	40 point ring for skeeball	37.13
100028-1	50 point ring for skeeball	32.49
100026-3	30 point ring for skeeball 10'	39.53
100026-2	20 point ring for skeeball 10'	56.10
100026-1	10 POINT RING FOR SKEEBALL 10"	92.77
100023-1	Target Carpet for skeeball 10'	115.18
100003-1	Runway Carpet for skeeball 10'	202.79
MOTION 8	MOTION 8 KIT FOR SKEEBALL	672.10
SKEEBALL	Skee Ball, Standard	8.30

PARTS FOR WACKY GATOR

NEW



24MB

260-0009-01

515-0040-00

520-0097-00

545-0013-00

Part Number		Price per ea.
515-0040-00	Mallet - Wacky Gator	60.00
545-0013-00	Face - Wacky Gator	59.15
520-0097-00	Sensor PCB Wacky & Cosmo	41.10
080-0003-00	Wacky Gator Motor	241.40
24MB	Bulb for Wacky Gator	2.52
260-0008-01	Roller Tire for Slope on Wacky Gator	15.25
260-0009-01	Rollers for Body on Wacky Gator	11.25
267-0003-00	Open Spring for Wacky Gator	14.20
267-0004-00	Absorber Spring for Wacky Gator	11.85
280-0008-00	Black Rubber Body Stopper for	4.75
280-0020-01	Brass Bushing for Open Shaft	14.60
280-0022-00	White Plastic Bushing for Roller Shaft	4.55
285-0002-00	Side Cushion for Wacky Gator 1"x1" Black Foam	4.55
285-0004-00	Cushion (B) Tongue for Wacky Gator 1 1/4" x 2 1/4" Black	7.85
285-0005-00	Cushion (C) Chassis for Wacky Gator 1 1/2"x2" Black Rubber	4.55
285-0015-00	Neck Cushion for Wacky Gator	8.25
285-0016-00	Cushion for Wacky Gator	14.20
285-0017-00	Suspension Cushion for Wacky Gator	3.45
2850002	Cushion Side Wacky Gator	2.99
2850004	Cushion B Tongue Wacky Gator	6.60
2850015	Washer For Neck Cushion Wacky Gator	5.95
2850017	Suspension Cushion Wacky Gator	3.75
406-0289-00	Decal Wacky Gator Eye Ster	8.00
510018100	Display board Wacky Gator	110.00
515-0040-00	Mallet Wacky Gator-blue	60.00
520-0097-00	Data East Sensor PCB for Wacky Gator	41.10
530-0045-00	Open Shaft for Wacky Gator	16.50
535-0125-00	Sensor Plate for Wacky Gator	7.45
535-0192-00	Frame Lever Guide for Slope	51.40
545-0013-00	Head for Wacky Gator	59.15
545-0043-00	Chin for Wacky Gator	42.25
545-0044-00	Toungue for Wacky Gator	21.25
5450014	Body Green Wacky Gator Dax Tech	48.99

MLP
SEATING CORP.

HAPP®

custom seating now available from

MANUFACTURED BY MLP SEATING CORP.

A variety of seat styles and bases can be mixed and matched to provide the right seat with the right base at the right seat height for all of your amusement game needs.

A full spectrum of metal finishes and upholstery options will provide you with the right look for your facility.

Contact your Sales Representative or Customer Service representative for additional information at **888.BUY.HAPP.** Or see us on the web at **www.happ.com.**

Custom Seating is sold on a project basis and will be treated as a special order. Lead times and terms will be different than that of Happ Controls policies for standard merchandise. Pricing is based on volume and cost of materials and will be quoted on a project by project basis.

New! HAPP custom SEATING

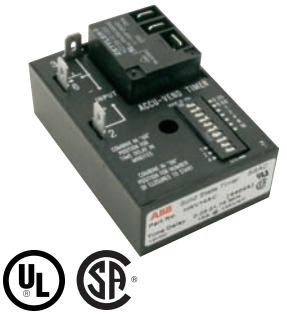
CLASSIC COMFORT CONTEMPORARY STYLE

quality & durability at an affordable price. manufactured your way.

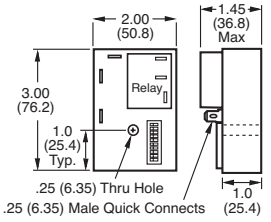
A WIDE VARIETY OF SEATING PRODUCTS FOR THE AMUSEMENT GAME INDUSTRY

ACCUMULATING COIN VENDING TIMER

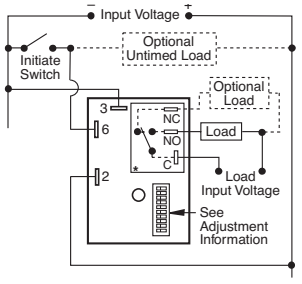
- Provides vend time after the selected number of initiate switch closures to start is reached and allows the total vend time to be extended for each additional initiate switch closures
- Accumulates 1 to 256 coins
- Switch selectable 1-7 coins to start
- Vend time from 15 seconds to 31 minutes
- Coin switch can be connected to a counter
- 30 amp, 1 HP @ 125vac contacts
- 12vdc or 120vac operation
- UL and CSA approvals



Mounting Dimensions



Isolated Output



With 30 ampres of switching capacity, it allows direct coin operated control of loads like compressors, pumps, motors, heaters and lighting.

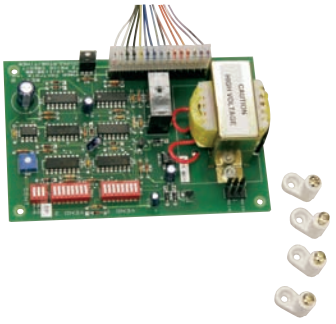
This accumulating coin vending timer will count each closure of the initiate switch. When the total number of initiate switch closures equals the number to start set on the lower 3 DIP switches, the load is energized and the vending time is started. For every initiate switch closure, the accumulating coin vending timer adds one time per coin period, as set on the upper 7 DIP switches, to the total vending time.

Microcomputer accuracy, combined with a power relay, makes the Coin Vending Timer ideal for cost-sensitive single coin or token vending machines.

Part Number		Price per ea.	L/3
42-6976-00	12vdc Coin Vending Timer	162.05	157.40
42-6976-120	120vac Coin Vending Timer	213.80	200.85

CREDIT ACCUMULATOR/TIMER

- Accumulates 1 to 16 coin drops before giving pulse credit
- Timer circuit up to 10 minutes
- Single or Dual Vend
- Auto or Manual Vend
- Two Price Vend Option
- Can operate when illuminated "Push to Vend" switch is desired
- 2 pole output relay
- Operates on 120 vac or 12 vdc
- Supplied with Wiring Harness and Mounting Kit



Part Number		Price per ea.	L/3
42-1138-10	Dual Credit Accumulator/Timer	161.80	153.95

HEAVY DUTY GAME STOOLS

- 30" high commercial game stool
- Large 14" diameter swivel seat
- Vinyl covered seat is padded for extra comfort
- Double rung chrome steel for superior strength
- Available with black or red seat
- Shipped unassembled
- Instructions and hardware included

Part Number		Price per ea.	L/6
26-1515-16	Black Game Stool	57.35	51.45
26-1515-10	Red Game Stool	57.35	51.45

HEAVY DUTY GAME STOOL WITH BACKREST

- 30" tall, commercial game stool
- Backrest provides additional support and comfort
- Large 14" diameter swivel seat
- Vinyl covered seat is padded for extra comfort
- Double rung chrome steel for superior strength
- Available in black or red vinyl
- Shipped unassembled
- Instructions and hardware included

Part Number		Price per ea.	L/6
26-1805-00	Bar Stool w/Backrest- Red	87.55	81.35
26-1805-10	Bar Stool w/Backrest- Black	87.55	72.95

ORANGE SHUFFLE PUCK

- Used on Interactive Light Slide-It game
- Made from Delrin material

Part Number		Price per ea.
26-1520-00	Orange Shuffle Puck	10.25

REPLACEMENT POTENTIOMETERS

96-4916-00

VG75-05464-00

220-5373

50-2670-00

Part Number		Price per ea.
VG75-05464-00	Replacement 1K Pot Namco 40° Namco Ref. VG75-05464-00	36.05
VG75-03824-00	Replacement 1K Pot Namco 60° Namco Ref. VG75-03824-00	41.20
220-5373	Replacement 5K Pot Sega	19.55
96-4916-00	Replacement 5K Long Life Pot .50" Shaft Namco Ref. VG80-02975 WMS Ref:5014-12909-00	31.50
50-8026-02	Replacement 5K Pot .750" Shaft Namco Ref. AC75-04425-00	10.45
50-8056-00	Replacement 5K Pot 7/8" Shaft	20.75
50-8026-00	Replacement 5K Pot 1.125" Shaft Namco Ref. VG75-06089-00	12.45
50-2670-00	Replacement 5K NEI (Sensorcube) w/Connector	24.75
50-2064-00	Replacement 5K Pot for Happ Joysticks "S" Taper, 3/4" Shaft	31.50
50-2032-00	Replacement 100K Pot for Happ, Joysticks "S" Taper, 3/4" Shaft	27.60
50-0153-00	Replacement 100K Pot for Happ Steering Wheels	32.15

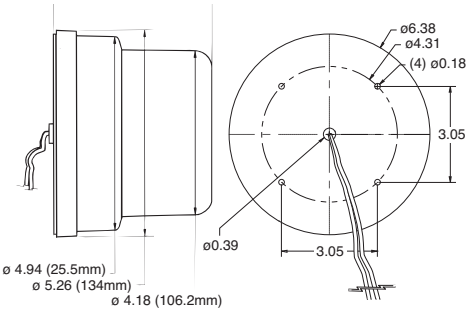
ROTARY BEACON LIGHT

- Bright 12 volt incandescent bayonet base bulb #1156
- 12 VDC gear driven motor rotates reflecting shield around lamp
- New design with removable top cover provides easy bulb replacement
- T-10 Torx® tamperproof screws used to retain dome for added security
- Suitable for upside down installation
- Available with inner or outer mounting plate
- Optional chrome ring for extra sparkle
- Replacement bulbs available

Inner Mounting

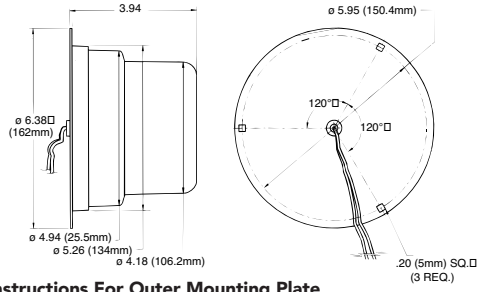
Outer Mounting

INNER MOUNTING PLATE



Installation Instructions For Inner Mounting Plate
1) Remove dome and/or Chrome Ring.
2) Insert 4 #8 screws through 4 holes in black plastic base.
3) Secure screws with 4 #8 nuts on inside of cabinet
4) Re-attach dome and/or chrome ring with (2) T-10 Torx® Tamperproof #6-32 screws provided.

OUTER MOUNTING PLATE



Installation Instructions For Outer Mounting Plate
1) Drill 3 holes for #10 carriage bolt (.20 diameter) per dimensions shown or use existing assembly as template and mark 3 holes, then drill.
2) Drill 1/2" diameter center hole for wires.
3) Feed wires through center hole, insert three #10 carriage bolts and secure inside cabinet with 3 nuts.

Part Number	Color	Mounting Plate	Chrome Ring	Price Per ea.	L/10
95-0115-10I	Red	Inner	No	45.35	37.55
95-0115-12I	Blue	Inner	No	45.35	37.55
95-0115-13I	Green	Inner	No	45.35	37.55
95-0115-17I	Amber	Inner	No	45.35	37.55
95-0115-10IC	Red	Inner	Yes	51.80	42.75
95-0115-12IC	Blue	Inner	Yes	51.80	42.75
95-0115-13IC	Green	Inner	Yes	51.80	42.75
95-0115-15IC	Yellow	Inner	Yes	51.80	42.75
95-0115-17IC	Amber	Inner	Yes	51.80	42.75
95-0115-10U	Red	Outer	No	45.35	37.55
95-0115-12U	Blue	Outer	No	45.35	37.55
95-0115-13U	Green	Outer	No	45.35	37.55
95-0115-15U	Yellow	Outer	No	45.35	37.55
95-0115-17U	Amber	Outer	No	45.35	37.55
95-0115-10UC	Red	Outer	Yes	51.80	42.75
95-0115-12UC	Blue	Outer	Yes	51.80	42.75
95-0115-13UC	Green	Outer	Yes	51.80	42.75
95-0115-15UC	Yellow	Outer	Yes	51.80	42.75
95-0115-17UC	Amber	Outer	Yes	51.80	42.75

P.C. BOARD HOLDER

- Durable black nylon plastic construction
- Great for use within Universal Kit Cabinets
- Height adjustable from 4-1/2" to 12-1/2" to hold small or large PCB's
- Able to hold multi-level PCB's
- Mounts to wall of cabinet via molded mounting holes

Part Number		Price per ea.	L/25
49-0007-01	P.C. Board Holder	11.55	9.75

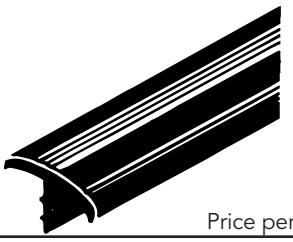
PCB MOUNTING FEET

- Durable white plastic mounting feet
- Each set includes 4 wood screws
- Allows PCB to be mounted either vertically or horizontally to numerous surfaces

Part Number		Price per ea.
49-1019-00	PCB Mounting Feet	3.35

T-MOLDING

- Use for repair or new construction
- Fits standard edge groove in wood cabinets
- Various colors available
- Sold per foot, minimum 25 foot lengths



Part Number		Price per ft.
49-0998-00	Black, Smooth T-Molding for 5/8" Wood	.41
49-0539-00	Black, Leather Texture for 3/4" Wood	.46
49-0999-00	Black, Smooth T-Molding for 3/4" Wood	.40
49-5224-00	Black, w/Chrome Stripe Down the Middle for 3/4" Wood	1.10
49-0539-300	Black, Smooth T-Molding for 7/8" Wood	.60
49-0539-200	Black, Leather Texture for 7/8" Wood	.61
49-0999-10	Black, Smooth T-Molding for 1-1/2" Wood	.75
49-0995-00	Blue, T-Molding for 3/4" Wood	.69
49-0998-01	Chrome, T-molding for 5/8" Wood	.83
49-3114-00	Polished Chrome Plastic Metallic for 3/4" Wood	1.35
49-0996-00	Green, T-Molding for 3/4" Wood	.69
49-3114-10	Polished Brass, T-Molding for 3/4" Wood	1.35
49-0539-100	Red, Leather Texture for 3/4" Wood	.46
49-0994-00	Red, Smooth T-Molding for 3/4"	.69
49-5051-00	White, T-Molding for 3/4" Wood	.37
49-5121-00	Yellow, T-Molding for 3/4" Wood	.55
49-0994-00	Red Smooth T-Molding for 3/4" Wood	.69

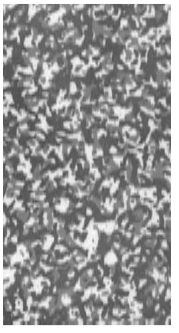
CABINET CORNER PROTECTOR

- Sturdy steel reinforcement plate keeps pressed wood from coming apart when moving
- Also used in the repair of cabinets
- Round corners protect walls, games etc. from damage when moving machine
- Round corners make moving the cabinet easier. Slides over uneven cracks, bumps, etc.
- Complete with hardware

Part Number		Price per ea.
49-0570-00	Cabinet Corner Protector	5.50

HIGH QUALITY CONTROL PANEL OVERLAY

- New wider design!
- Highest quality material and adhesive designed for years of service
- 10 Mil PVC resists scratching and cracking especially around the corners
- Neutral color and graphic design
- Ideal for any control panel overlay application
- Color: blue/black/gray
- Size: 19 7/8" x 48"
- Fits Dynamo HS15 and Showcase cabinets



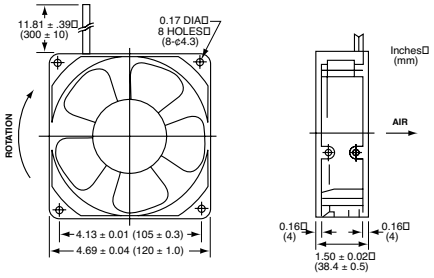
NEW

Part Number		Price per ea.	L/10
49-3132-00	High Quality Control Panel Overlay	45.55	45.40

COOLING FAN

- Top quality fan cools the electronics in your video game
- Industry standard size 4.69" square x 1.5" deep
- Low noise; impedance protected
- 115 vac fan easily mounts in most equipment
- UL Approved
- Air flow 98-106 CFM (Cubic feet per minute)
- Cast aluminum frame
- 2,900 - 3,200 RPM

MOUNTING DIMENSIONS



Part Number	Description	Price per ea.	L/25
80-0006-10	Sealed Ball Bearings w/flying leads	18.10	15.70
80-0006-11	Sleeve Bearings w/flying leads	15.05	13.65

COOLING FAN WITH 110VAC ADAPTER

- Cools the electronics in your game
- 3 -1/8" x 1" 12vdc fan
- 110v adapter pre-wired
- Simply plug adapter into a 110v outlet and the fan will power up

NEW

Part Number		Price Per Ea.	L/25	L/50
80-1140-00	Cooling Fan with 110vac Adapter	25.40	21.60	19.15

COOLING FAN ASSEMBLY WITH BASE AND 6" LEADS

- Fan size is: 3.15" x 3.15" x 1"
- Sleeve bearing
- Mounting base and grilles included
- 6" leads with connector
- Easily mounts to cabinet to cool CPU boards
- This is an original Midway item used in games like: Gauntlet, Hyperdrive, Road Burners
- 12vdc, brushless
- UL and CE approved

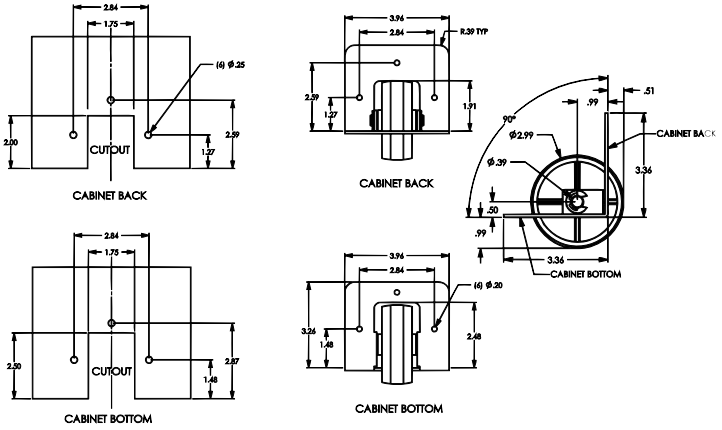
NEW

Part Number		Price per ea.
A-21055	Cooling Fan Assembly with Base and 6" Leads	10.05

CABINET WHEEL ASSEMBLY

- 3" heavy duty nylon wheel
- Capacity: 440 lbs.
- Built in Mounting Bracket to allow easy mounting into cabinet

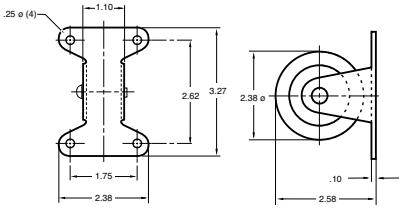
NEW



Part Number		Price per ea.	L/25
33-1198-00	Cabinet Wheel Assembly	6.05	5.65

WHEEL ASSEMBLY FOR CABINET

- Heavy-duty construction
- Steel bracket w/nylon wheel

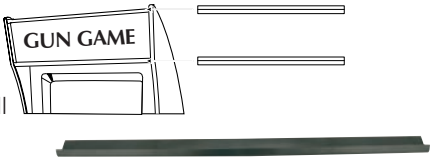


MOUNTING DIMENSIONS

Part Number		Price per ea.	L/25
49-0077-00	Wheel Assembly for Cabinet	4.75	4.40

RETAINER FOR VIDEO GAME MARQUEE

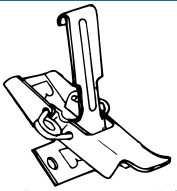
- Retains marquee plexi at both the top and bottom
- To use simply cut to marquee width and install
- Material: Black rigid PVC
- Sold in 10 ft. lengths



Part Number		Price per ea.
49-1000-00	Retainer for Video Game Marquee	12.95

PANEL CLAMP

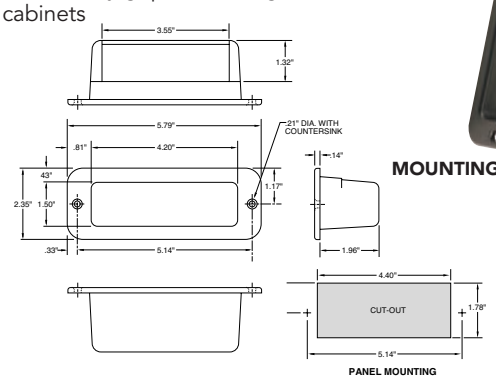
- Universal strike – mounts flat or at right angle
- Wire spring for easy latching



Part Number		Price per ea.	L/100
49-0059-00	Universal Panel Clamp	5.15	4.55

CABINET HANDLE

- Molded plastic construction
- Allows easy grip for moving cabinets



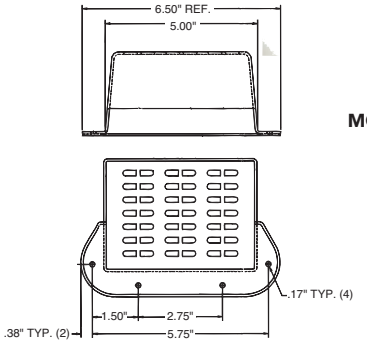
MOUNTING DIMENSIONS

PANEL MOUNTING

Part Number		Price per ea.	L/12
49-0067-00	Cabinet Handle	2.55	2.30

CABINET HANDLE VENTED

- Original Midway design
- Made of durable high impact molded plastic
- Color: Black
- Made in USA



MOUNTING DIMENSIONS

Part Number		Price per ea.
03-8326	Cabinet Handle Vented	3.05

REPLACEMENT BULB FOR SPORTS ARENA

- For use on American Sammy Sports Arena Game
- Keep your games earning potential to it's maximum by replacing those burned out bulbs
- Each machine contains 64 bulbs (8 Red, 56 Clear)
- Available in both Clear or Red bulbs
- 24 Volts, 5 Watts

Part Number		Price per ea.	L/25
91-0051-00	Sports Arena Replacement Bulb, Clear	2.05	1.95
91-0050-00	Sports Arena Replacement Bulb, Red	2.05	1.95

LEG LEVELERS

- 1-1/2", 2" or 4" thread length
- Other sizes available upon request

49-1002-00

49-1002-03

49-1002-04

Part Number	Description	Thread	Thread Length	Load	Base Dia.	ea.	L/25
49-1002-03	Leg Leveler w/o nut	3/8–16	1-1/2"	200lb.	1.75"	1.00	.93
49-1002-00	Leg Leveler w/o nut	3/8–16	2"	200lb.	1.75"	.91	.85
49-1002-02	Leg Leveler w/nut	3/8–16	2"	200lb.	1.75"	.98	.93
49-1002-035	Leg leveler w/o nut	3/8–16	2"	250lb.	2.03"	6.35	5.00
49-1002-038	Leg leveler w/o nut	1/2–13	2"	500lb.	2.40"	6.65	5.90
49-1002-041	Leg leveler, Swivel w/nut	3/8–16	2"	3750lb.	1.25"	14.85	12.40
49-0449-00	Leg leveler w/o nut	3/8-16	3"		1.75"	1.45	1.30
49-3042-00	Leg Leveler, Swivel w/nut	3/8–16	4"	3750lb.	1.25"	18.00	14.40
49-3043-00	Leg Leveler, Swivel w/nut	1/2–13	4"	3750lb.	1.25"	32.05	24.65
49-1002-042	Leg leveler, Swivel w/nut	1/2–13	2"	5000lb.	1.875"	23.00	18.05
49-1002-04	T-Nut	3/8	—	—	—	.65	.57
5102	2" Leg Levelers					.80	.70
285120	T- Nut Mounting Plate					.10	.08

BLACK RUBBER LEG LEVELER CUP

- Ideal for amusement and vending equipment
- Prevents equipment from slipping or sliding
- Fits leg levelers with 1-3/4" base diameter or less
- Will not scratch floors

Part Number		Price per ea.
26-1528-00	Black Rubber Leg Leveler Cup	2.05

LEG LEVELER MOUNTING PLATE WITH 1/2" PEM NUT

- With 1/2-13" Pem Nut for leg leveler
- 2.75" square
- 2" center mounting holes
- Mounting holes .31" diameter

Part Number		Price per ea.
49-1501-00	Leg Leveler Mounting Plate w/Pem Nut	9.00

LEG LEVELER MOUNTING PLATE

- 3/8" thread
- Steel plated

Part Number		Price per ea.	L/12
49-1500-00	Leg Leveler Mounting Plate	3.25	2.60

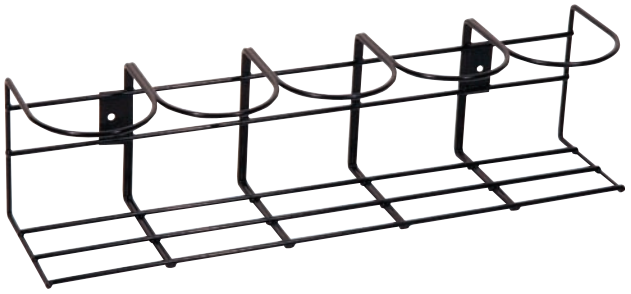
MULTI-SIZE CUP & CAN HOLDER

NEW

- Made in USA
- Durable high impact polystyrene
- The only cup holder that can handle multiple beverage sizes from cans to "jumbo" cup sizes
- Convenient "mug handle" groove accepts beer mugs
- 3 pre-drilled mounting holes
- Drain hole stops excess liquid from collecting in the bottom
- Color: Black

Part Number		Price per ea.
27-1422-00	Mulit-Size Cup & Can Holder	5.70

DRINK CADDIES



Part Number		Price per ea.
140240	2 Compartments	3.99
14014000	5 Compartments	6.95

BEVERAGE RACKS

- Easily mounts to the side of any game or wall
- Prevents drinks from spilling on equipment, video game or pool table
- Chrome polished steel tubing
- 2 mounting brackets welded to frame enables you to securely fasten to game or wall

* Fully reinforced for extended wear

Part Number		Price per ea.
27-1062-01	2 Drink Beverage Rack	5.10
27-1062-11	3 Drink Beverage Rack	6.15

FLIP-OVER ASHTRAY

- Easily mounts to any coin-op game
- Empty ashtray by just flipping it over
- Sturdy metal construction

Part Number		Price per ea.
51-0302-00	Flip-Over Ashtray	5.99

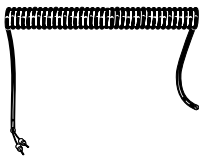
PARTS FOR SKEEBALL GAMES

49-0489-10

Part Number		Price per ea.
49-0489-10	3" Plastic Ball	6.00
25020	Sandpad Set	24.60
8001361	Lane Number Set, Classic Black	11.50
80072-4	Ball Release Spring	4.35
800773-3	Ball Sensor	27.25
51-0305-00	4 x 240 Solenoid (Coil)	30.85

PARTS FOR CRANE GAMES

42-7191-00



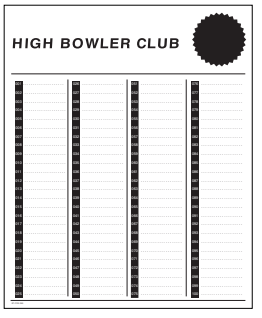
43-0712-00

91-0916-00

Part Number			Price per ea
42-7191-00	–	Validator Label, $1 & $5, for Rainbow Crane	3.45
43-0591-00	70-0035	Claw String for Big Choice Crane	.27
43-0592-00	70-0001	O-Ring / Drive Belt for Big Choice Crane	1.75
43-0593-00	70-0178	Claw Coil Cable for Big Choice	55.55
49-0682-00	–	4 Amp Ceramic Fuse for Big Choice Crane	12.50
91-0914-00	70-0151	Lamp Socket for Big Choice Crane	2.95
91-0916-00	70-0077	Flashing Lamp for Big Choice Crane, 60V, 10W	1.40
95-0595-00	70-0072	Actuator #3 for Big Choice Crane	2.85
95-0596-00	70-0073	Actuator #4 for Big Choice Crane	3.50
95-0599-00	70-0019	Nylon Drive Gear for Big Choice Crane	17.35
CS-834	CS-834	Gripper Coil for Crane Games	14.40
CS-992	CS-992	Coil for Hollywood Crane	23.85
CS1121	CS1121	Claw Coil for Smart Candy Crane	15.40
91-1186-00	_	Crane Lamp, 48-60v,10w, Clear	1.70
91-1187-00	_	Marquee Lamp, 130v, 10w, Clear	.98

HIGH BOWLER NUMBERED CARDS

- Used to list players scores and rankings
- "Winning" number under gold "scratch-off" seal
- 100 or 200 names per card



Part Number		Price per ea.
27-1112-100	100 Names	2.15
27-1112-00	200 Names	3.25

CITIZEN 3551 PRINTER

- Dot impact printing
- Auto winder option
- High-speed print (Bi-directional)
- Red and black print
- Auto load
- Paper end sensor
- Built in power supply
- Built in auto cutter – full cut (ACS-134)

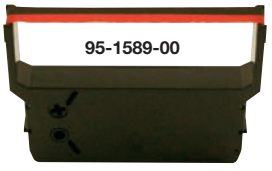
Specifications:

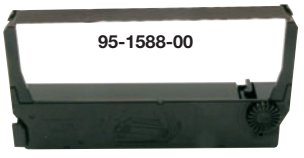
Printing method	Dot impact
Printing direction	Bidirectional, 2-pass graphic unidirectional
Print width	Character type: 63.6 mm/Graphic type: 58.7 mm
Print head	9 pins
Print speed	Character type: Approx. 3.6 lines/second / Graphic type: Approx. 3 lines/second
Print columns	40 columns
Character size (W) x (H)	Character type: 1.36 mm x 2.4 mm (7 dots); 1.36 mm x 3.1 mm (9 dots) /
Graphic type:	1.20 mm x 2.4 mm (7 dots); 1.20 mm x 3.1 mm (9 dots)
Lines spacing	Character type: 4.23 mm (1/6 inch) / Graphic type: 2.82 mm (1/9 in)
Paper	Ordinary paper and non-carbon paper: 76 +/- 0.5 mm x 83 mm
Ink ribbon	Special purpose ribbon cartridge: red/black or single color (black or purple)
Interface	Serial (RS-232C), Parallel (CENTRONICS compliant)
Command system	CBM mode, STAR mode, ESC/POS mode. The user can select the mode with the DIP switch and present jumpers
Input buffer	6 kb or 256 bytes (selectable with the DIP switch)
Drawer function	2-drawer, 1-drawer switch
Auto loading function	Automatically feeds the paper by several lines when it is inserted
Paper end detection	Stops printing when the paper has run out
Paper near end detection	Stops printing when the paper is running out (settable with a command)
Auto cutter	AC-134-E (full cut)
Weight	Approx. 2.8 kg
Outer dimensions	160 x 212 x 173 mm (W) x (D) x (H)

Part Number		Price per ea.
70-1401-00	Citizen 3551 Printer	348.30

REPLACEMENT PRINTER RIBBONS

- Top quality at an economical price





Part Number	Description	Ref. No.	Ink Color	Price per ea.
95-1589-00	For Citizen Printers	IR-61 R/B	Red/Black	3.15
95-1588-00	For Epson Printers	ERC-23P	Purple	5.90
95-1588-01	For Epson Printers	ERC-23B	Black	5.90
95-1778-00	For NCR Printers	NCR2140	Purple	4.70
95-1776-00	For Okidata 100 Series Printer	————	Black	5.50
95-1777-00	For Star Micronics MP300, SP300 Printer	RC300B	Black	4.95

K-SUN LABELLAB 1440KI HAND-HELD LABELING SYSTEM

NEW

- Create high quality labels quickly and easily
- Lightweight and portable for everyday use in the field, in the office and on the go
- High quality printing up to 60 point size on 1" tape
- 15 characters x 2 lines LCD display
- Intelligent thumb actuated manual cutter
- Prints standard, rotated and mirrored text and numbers
- Auto sizes, or choose from 8 sizes and 4 character widths
- Repeat printing up to 99 copies
- Includes: 6 AA alkaline batteries, adjustable neck/wrist strap, 3/8" black/white standard tape, and ?" black/white industrial tape
- Dimensions: 4.6" W x 9.3" L x 3.1" H
- Weight: 1.19 lbs.
- One-year manufacturer limited warranty and replacement service

Part Number		Price per ea.
27-0245-00	K-Sun LABELlab 1440Ki Labeling System	199.00

K-SUN LABELLAB 1640KI HANDHELD LABELING SYSTEM

NEW

- Lightweight and portable, industrial orange unit with rubber impact guards
- Ideal for outdoor plant, manufacturing, electrical or any harsh working environment
- High quality printing up to 60 point size on 1" tape
- 15 characters x 2 lines LCD display
- Intelligent thumb actuated manual cutter
- Prints standard, rotated and mirrored text and numbers
- Auto sizes, or choose from 8 sizes and 4 character widths
- Library of over 90 industrial symbols
- Includes: 6 AA alkaline batteries, adjustable neck/wrist strap, 1" black/white flexible ID tape, ?" black/white industrial tape, and deluxe carrying case
- Dimensions: 4.6" W x 9.4" L x 3.2" H
- Weight: 1.3 lbs.
- One-year manufacturer limited warranty and replacement service

Part Number		Price per ea.
27-0246-00	K-Sun LABELlab 1640Ki Labeling System	229.00

K-SUN LABELlab® Industrial Laminated Tapes

- Super strength with twice the adhesive of standard tapes
- Additional sizes and colors available upon request

Part Number		Price per ea.
27-0247-00	Replacement 1" (24mm) Tape - Black on White	25.99
27-0247-10	Replacement 1/2" (12mm) Tape - Black on White	18.99

KROY K4350 INDUSTRIAL 4" THERMAL PRINTER

NEW

- High-resolution thermal-transfer and/or direct-thermal printing at 300dpi.
- Great for labeling and identifying equipment and machines.
- 1MB Flash, 2MB DRAM
- Rotary cutter included on K4350C.
- Real time clock, Black Mark Sensor
- Easy to load.
- Prints continuous-feed labels up to 38" (989mm) in length and up to 4.09" (104mm) in width.
- Prints on labels, shrink tubing, wire wraps, facility signs, health and safety signs and banners.
- Prints up to 2" per second at 300 dpi (12 dots/mm).
- Powerful label design software package including barcodes
- Fonts: Windows-based true-type fonts plus 5 Alphanumeric fonts.
- Bar-code include: Code 39, Code 93, Code 128UCC, Code 128, subsets A, B, C, Codabar, Interleave 2 of 5, EAN 8, EAN 13, EAN 128, UPC-A, UPC-E, EAN and UPC 2 digit add on.
- 2 Dimensional Barcodes including: PDF-417, Maxicode, Datamax.
- Interface: RS232 Serial and Centronics parallel.
- AC Power Adapter: 110/220 VAC +/- 10% single phase 60/50 Hz. Meets UL, CSA, & TUV-GS standards and FCC Class A & CE standards.
- Printer depth: 8.9" (226 mm)
- Printer height: 5.32 (135 mm)
- Printer weight: 4 Lbs. (1.81kg)
- Printer width: 7.9" (200 mm)
- Operating temperature: 40° F to 104° F (5° C to 40° C).
- Storage temperature: 14° F to 140° F (-10° C to 60° C).
- Humidity 10% to 90% non-condensing.
- Ventilation: free air.
- Limited Warranty: 1 year parts and labor; 90 day print head and software

Part Number		Price per ea.
27-1471-00	Kroy K4350 Industrial 4" Thermal Printer	909.85
27-1469-00	Kroy Resin Ribbon 4.33"x985'	51.45

ICT THERMAL PRINTERS

- Designed to take the advantage of new, lower cost thermal papers
- Easy drop-in paper loading and auto cutter option available
- User friendly, efficient and reliable
- Long life microprocessor controlled guillotine paper cutter
- Low paper sensor
- Full cut or partial switchable
- Convenient compact design for easy installation

Part Number		Price per ea.
70-1336-00	ICT Thermal printer with cutter	210.10
70-1335-00	ICT Thermal printer without cutter	198.30
42-1380-00	Mounting Plate for ICT Thermal Printer	9.95

KROY K5100 & K4100 INDUSTRIAL LABEL AND WIRE-MAKING PRINTERS

- Choose either handheld portable (K5100) or desktop (K4100) industrial versions
- On-demand identification at it's best
- Print customized labels, bar codes and graphics on-site at your desk
- Alpha/numeric sequencing, 10 resistant bar codes, rotate feature, up to 6 print lines, 6-72 point sizes at 300 dpi resolution
- Variety of print styles including bold, italic, underline and mirror
- Optional PC connectivity for customized label applications, use your PC fonts and graphics
- Includes printer, manual CD-ROM with KLDS software and drivers, serial cable, and AC adapter with power cord
- Internal battery charger (K5100 only)
- Physical dimensions: 11" L x 6" D x 4" H (K5100); 9.5" L x 8" D x 2.75" H (K4100)

KROY

27-1421-K5100

27-1421-K4100

Part Number		Price per ea.
27-1421-K5100	Kroy K5100 Label Printer	399.00
27-1421-K4100	Kroy K4100 Label Printer	299.00

Accessories for Kroy K5100 and K4100 Printers

Part Number		Price per ea.
27-1425-08	Polyester Label Cartridge, 1" x 40' Black Image on White	36.00
27-1425-09	Polyester Label Cartridge, .80" x40' Black Image on Clear	33.95
27-1425-10	Polyester Label Cartridge, .80" x40' Black Image on Yellow	32.95
27-1425-12	Polyester Label Cartridge, .50" x40' Black Image on White	32.95
27-1425-14	Cast Vinyl Label Cartridge, .50" x40' Black Image on White	32.95
27-1425-17	Polyolefin Shrink Tube Cartridge, .125" Black on White	29.95
27-1425-16	Polyolefin Shrink Tube Cartridge, .25" Black on White	32.95

Happ is your source for replacement label machine cartridges including Kroy, K-Sun, Brother and Brady. Contact a Happ Sales or Customer Service Representative for details

SPEAKER PRO SPEAKERS

Attention Jukebox operators; need a reliable source for speakers for your routes? Happ has your answer…

- Speaker Pro speakers offer maximum sound performance with an affordable price
- Ideal for use in any outdoor location; bars, restaurants, boardwalks, family entertainment centers, casinos or at home
- Crisp clear sound-always
- Excellent bass performance
- 3-year warranty
- Speakers are sold per each
- Dark oak finish

49-2746-01

49-2747-01

49-2748-01

SPECIFICATIONS:

Part Number	49-2746-01	49-2747-01	49-2748-01
Type	8″ 2-way	10″ 3-way	12″ 3-way
Woofer	8″ foam surround 1″ voice coil	10″ foam surround 1.5″ voice coil	12″ foam surround 1.5″ voice coil
Midrange	3″ cone sealed	5″ cone sealed	one 3″ & 5″ cone sealed
Tweeter	2″ x 6″	2″ x 6″	2″ x 6″
Frequency Response	75Hz - 22kHz	55Hz - 22kHz	50Hz - 22 kHz
Sensitivity	91 dB	92 dB	92 dB
Nom. Impedance	8 Ohm	8 Ohm	8 Ohm
Power	50 w RMS / 100w peak	75 w RMS / 150 w peak	100 w RMS / 200 w peak
Height	17-23/32″	23-7/32″	26-7/32″
Width	10-15/32″	14-7/32″	14-26/32″
Depth	8″	10″	12″

Part Number			Price per ea.
49-2746-01	Speaker Pro 8″	2-Way 100-Watt speaker	74.99
49-2747-01	Speaker Pro 10″	3-Way 150-Watt speaker	109.99
49-2748-01	Speaker Pro 12″	3-Way 200-Watt speaker	124.99

SPEAKERPRO

DPI SPEAKERS

CARPETED SPEAKERS

- Polymer treated woofer and high dispersion, acoustical tweeter generates terrific sound
- Auto reset circuit breaker prevents speakers from blowing
- Attractive gray carpeting surrounds the speaker
- 3/4" MDF hardwood cabinet
- Smooth, professionally rounded edges on cabinet
- For specifications, see chart below
- Made in the U.S.A.
- 5 Year limited manufacturer's warranty

Part Number		Price per ea.
50-9983-00	8" 2-Way Carpeted Speaker, DPI-800C	66.00
50-9984-00	12" 3-Way Carpeted Speaker, DPI-1200C	148.15

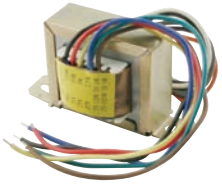
50-9983-00

50-9984-00

Part Number	50-9983-00	50-9984-00
Model Number	DPI-800C	DPI-1200C
Woofer	8" Polymer, Rolled Edge	12" Polymer, Rolled Edge
Midrange	—	5" Capton
Tweeter	2" x 5" Super Horn	3" x 7" Super Horn
Tuned Port	1-3/4" x 4"	2-3/4" x 5"
Impedance	8 Ohm	8 Ohm
Efficiency (1 wt. 1 mtr.)	87 dB	92 dB
Frequency Response	45-30,000 Hz	32-30,000 Hz
Crossover	(1) 5 w 20 Ohm Res.	(1) 100v Cap. (1) 5 w 20 Ohm Res.
Power	4-90 w, RMS	5-130 w, RMS
Maximum Input	180 watts	240 watts
Circuit Breaker	Auto Reset	Auto Reset
Dimensions	16" H, 10" W, 9-1/4" D	27" H, 15" W, 11-3/4" D
Cabinet	5/8" Carpet	5/8" Carpet
Grill	Steel Waffle	Steel Waffle
Weight	30 lbs./pair	36 lbs./each

SPEAKER TRANSFORMER, 25-50 WATT

- 70.7V line continuous duty design
- Primary tapped for 25-50 Watts
- Secondary is tapped for 4 and 8 Ohms
- 2-3/8" mounting centers



Part Number		Price per ea.	L/12
48-0016-00	Speaker Transformer, 25-50 Watt	7.85	6.65

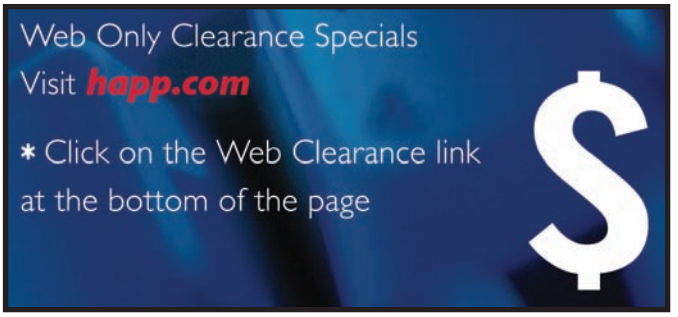
INDOOR/OUTDOOR SPEAKERS

- Great for outdoor locations; bars, restaurants, boardwalks, even at home
- This versatile speaker has a powerful dome tweeter, mylar midrange and a polypropylene woofer bass that you can feel
- Black speakers come complete with mounting brackets and connecting cables
- Sold per pair
- Made in the U.S.A.
- 5 Year limited manufacturer's warranty

Part Number		Price per pair
50-9986-00	4" 3-Way Indoor/Outdoor Speaker,	68.45

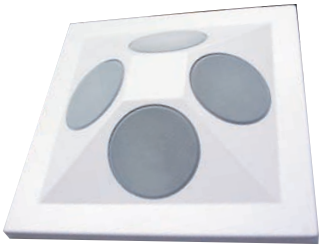
50-9986-00

Part Number	50-9986-00
Model Number	DPI-600WA
Woofer	4" Polymer Edge
Midrange	2" Mylar Cone
Tweeter	3/4" Dome
Tuned Port	—
Impedance	6 Ohm
Efficiency (1 wt. 1 mtr.)	89 dB @ 1 w/m
Frequency Response	50-20,000 Hz
Crossover	900/3000Hz
Power	—
Maximum Input	50 watts
Circuit Breaker	—
Dimensions	7" H, 4-1/2" W, 4-1/8" D
Cabinet	Aluminum
Grill	Steel Mesh
Weight	6 lbs./pair



SUPER DISPERSION CEILING SPEAKER SYSTEM

- A full range coaxial loudspeaker
- Unmatched sound dispersion and power capacity
- 4 strategically placed 8" transducers
- Omni-directional dispersion pattern reduces hot and cold spots
- Easy installation-simply rests on ceiling grid
- Color: Flat White or Black
- Made in the USA



Part Number		Price per ea.	L/2
50-2056-00	Super Dispersion Ceiling Speaker System- Flat White	244.55	244.55

SPECIFICATIONS	
Nominal Diameter:	8" (20.32cm)
Rated Impedance:	8 Ohms
Power Capacity:	80 watts continuous, 100 watts peak
Sensitivity:	97 dB spl. 1w 4ft
Frequency Response:	40 Hz - 18kHz +- 4dB
Components:	4 x 8" (20.32cm) low frequency transducer 4 x 3" (7.62cm) high frequency transducer
Crossover Frequency:	3 kHz
Voice Coil Diameter:	High Temp 1" (2.54cm) L.F. 9/16" (1.42cm) H.F.
Nominal Magnet Wt.:	10 oz. (.28kg) L.F. magnet, 2 oz. (.05kg) magnet
Transducer Depth:	3 1/8" (7.94cm)
Dimensions:	5-3/4" (14.6cm)H x 23-3/4" (60.32cm)W and L 4.13" (10.5cm) depth below ceiling surface
Net Wt.:	15.31 lbs (6.94kg) foam baffle 16.11 lbs (7.31cm) metal grille

8" CEILING SPEAKER W/TRANSFORMER

- 8" Dual Cone speaker with 10 oz. Magnet 70v or 25 v line input
- Transformer tapped for .63, 1.25, 2.5, 5 and 10 watts
- Round one-step contour flush mount ceiling baffle with white baked enamel finish
- Includes 4 white bolts and nuts for mounting

49-0783-00

Part Number		Price per ea.
49-0783-00	8" Ceiling speaker w/10w Transformer	28.50
50-9008-00	8" Speaker only without Baffle	11.80
50-9008-10	Replacement Baffle	6.40

MTX OUTDOOR SPEAKERS

- Rated #1 outdoor speaker by Home Theater Magazine (April, 1998)
- Great for outdoor locations; bars restaurants, boardwalks, even at home
- Sleek, Euro-style design for aesthetic appeal to compliment any decor
- Weather resistant design utilizing Buthl surrounds with polypropylene cones
- Magnetically shielded
  Includes rotating mounting stainless steel brackets with end-caps
- Available in either white or black color
- 1 year limited MTX warranty

Part Number		Price per ea.
49-0780-00	White MTX speaker MP42W	111.50
49-0780-16	Black MTX speaker MP42BB	109.30

SPECIFICATIONS	
Woofer:	Two 4"
Tweeter:	1/2" balanced dome
Frequency Response:	100Hz - 20Hz
Impedance:	8 Ohm
Power:	50 w RMS/200 w Peak
Height:	12.6"
Width:	4.8"
Depth:	4.9"
Ship Weight:	9 lbs. (.4.1kg) magnet

MTX THUNDER PRO TP112 2-WAY PROFESSIONAL LOUDSPEAKER

NEW

- Ideal for use in bars/night clubs, restaurants, family entertainment centers and casinos
- Speaker consists of a single 12" woofer matched with MTX's X-radial designed horn loaded high frequency tweeter, which is designed to provide uniform sound dispersion and coverage area with excellent sound quality
- 150 Watts RMS/300 Watts Peak Music Power
- Dual Low Frequency Port
- Sensitivity: 92dB
- X-radial Horn with FerroFluid Cooled Tweeter and PCT Tweeter Protection
- 5-Year Limited Warranty
- Sold per each

Part Number		Price per ea.
49-2346-00	MTX Thunder Pro TP112 Speaker	144.38

MTX 6-1/2" MONITOR SERIES DUAL 2-WAY BOOKSHELF SPEAKERS

NEW

- The Monitor 60i offers exceptional sound performance, which makes it ideal for use in either jukebox or home theater systems
- Manufactured with high-grade components, the speakers produce superb sound quality
- Compact design, it allows you to display almost anywhere
- Speakers incorporate a D'appolito design which is a driver configuration of mid-tweeter-mid that benefits the sonic realism of your listening environment. With this set-up, it reduces the unwanted reflective sound from floors and ceilings with a controlled vertical dispersion, or CVD

MTX SERIOUS ABOUT SOUND™

- Speakers also have dual woofers in a common vented enclosure, which provides a much lower bass extension, higher power handling and higher efficiency that single woofer bookshelf speakers
- MTX 1-Year Limited Warranty

Woofer: 6?" Poly (2)
Tweeter: 19mm PEI Dome
Grille: Black Cloth
Frequency Response: 42Hz-20Hz
Tuning Type: Port
Rec Amp Power: 15W to 100W RMS
Sensitivity (2.83v/1m): 92dB
Dimensions (HxWxD): 17-5/8" x 7-1/2" x 11-7/8"

Part Number		Price per set.
96-0756-00	MTX 6-1/2" Monitor Series 60i Dual 2-Way Bookshelf Speakers	179.95

SPEAKER WIRE

- 2 Wire
- Comes in spools of 250'
- Minimum order 250'

Part Number		L/250	L/500
49-0483-00	14 Gauge Speaker Wire, Clear	.34	.31
49-0534-00	18 Gauge Speaker Wire, Clear	.19	.17
49-0867-00	18 Gauge Gray Speaker Wire		
80-0149-00	Zip Cord 16 Gauge Speaker Wire, Clear	.24	.22
80-0394-20	5-Wire 22 Gauge/4 Shielded		
80-1147-00	Line Cord 17 Gauge 3-wire 1943/3		
49-0534-01	Zip Cord 18 Gauge Speaker Wire, Brown	.22	.20

BILLABS 8" JUKE SERIES SURFACE MOUNT SPEAKER

NEW

- Ideal for use in a commercial setting such as bars, arcades, casinos and restaurants or in a home theater system
- Each speaker ships with a unique 360° adjustable all metal mounting bracket
- "Best Bang for The Buck" Award winner at the 2004 Consumer Electronics Show
- Perfect for 70.7V/100V music broadcast systems at 50W, 25W and 12.5W tabs
- Speakers have a Certified Acoustic Rating at 90-93 dB, Sensitivity (2.83V/1m), which is unheard of in the commercial sector
- 5-year warranty
- Priced per unit and sold in pairs

Part Number		Price per ea.
49-3206-00	Billabs 8" Juke Series Speakers	252.30

MUSICA 6-1/2" 2-WAY BOOK SHELF SPEAKERS

NEW

- Offers great sound for an exceptional value
- Ideal for a bar, casino or even your home
- color: black
- Sold per pair
- 10-year warranty

Model Number	Musica 6S
Woofer Diameter	6-1/2" (Poly Cone)
Tweeter	3/4" Balanced Dome
Frequency Response	55Hz-20kHz +3dB
Impedance	8 Ohms Nominal
Power Handling	100W RMS/200W Peak Music
Sensitivity (1W/1M)	89dB
Height	12-3/4"
Width	7-1/2"
Depth	8-1/2"

Part Number		Price per ea.
96-0653-00	Musica 6-1/2" 2-Way Book Shelf Speakers	149.95

REMOTE HOOK-UP WIRE

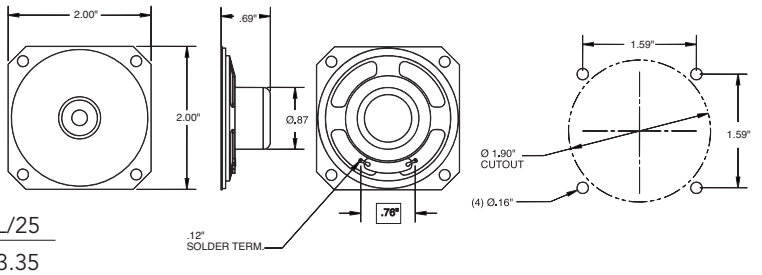
- Gray plastic covering
- 22 gauge
- Available in 3 or 5 wire
- 500' per spool
- Minimum order 500'

Part Number		Price per ft.	L/500	L/1000
49-0557-00	3-Wire		.25	.22
49-0660-00	5-Wire		.33	.30

SHIELDED SPEAKERS

2" SPEAKER

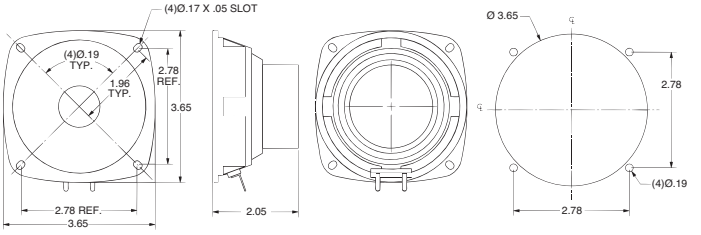
- 2" Diameter
- Full range
- .4 watt
- 8 ohm
- See chart for specifications



Part Number		Price per ea.	L/25
70-0014-00	2" Speaker, .4 Watt	3.75	3.35

3.5" SPEAKER

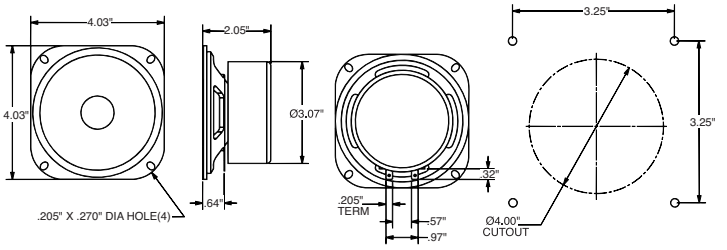
- 3.5" Diameter
- Speaker has a metal shield surrounding the magnet to prevent any interference with the monitor
- 4 OHM, 5 Watt Max.
- See chart for specifications



Part Number		Price per ea.	L/25
50-9000-01	3.5" Shielded Speaker, 5 Watt	4.75	4.00

4" SPEAKER

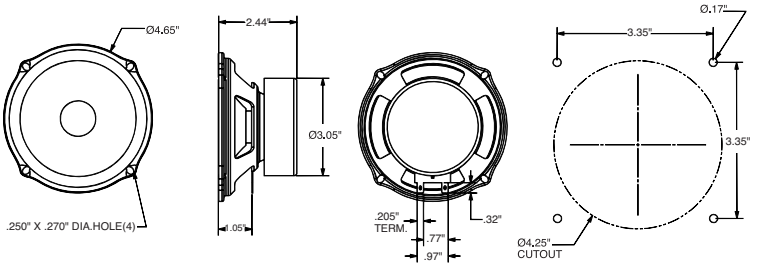
- 4" Diameter
- Speaker has a metal shield surrounding the magnet to prevent any interference to the monitor
- 8 ohm, 12 watt
- See chart for specifications



Part Number		Price per ea.	L/25
49-0228-00	4" Shielded Speaker, 12 Watt	10.60	9.55

5" SPEAKER

- 5" Diameter
- Speaker has a metal shield surrounding the magnet to prevent any interference to the monitor
- 8 ohm, 12 watt
- See chart for specifications



Part Number		Price per ea.	L/25
50-9005-00	5" Shielded Speaker, 12 Watt	11.25	10.55

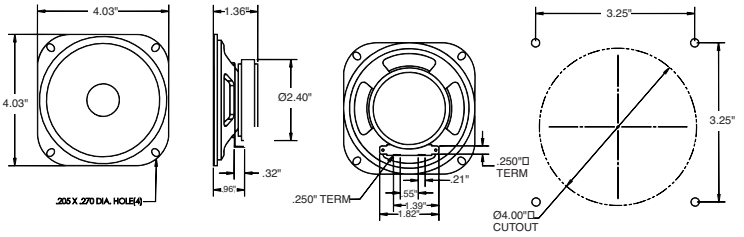
SPECIFICATIONS

Part Number	Diameter in/(mm)	Height in/(mm)	Nom (Watt)	Max (Watt)	Ohms	Hz	Db	Range	Magnet	Net Weight	Frame	Diaphragm	Terminal Size (in)
70-0014-00	1.97/(50)	.75/(mm)	.2	.4	8	430	80	4,000	13mm x 10mm	40g	Square	Paper	solder
50-9000-01	3.5(93)	-	3	5	8	120	85	15,000	1.7 oz	-	Square	Paper	.250
49-0228-00	3.94(100)	1.93 (49)	4	12	8	180	71	12,000	6 oz	610g	Square	Paper	.250
50-9005-00	4.69(119)	2.13(54)	4	12	8	135	91	8,000	6 oz	610g	Pin Cushion	Paper	.250

UNSHIELDED SPEAKERS

4" SPEAKER

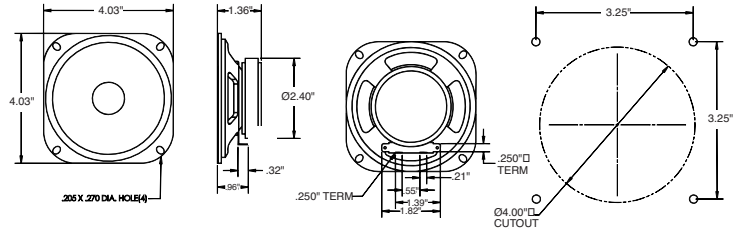
- 4" Diameter
- Full range
- 8 watt
- 8 ohm
- See chart for specifications



Part Number		Price per ea.	L/25
50-9000-00	4" Speaker, 8 watt	4.55	4.00

4" SPEAKER

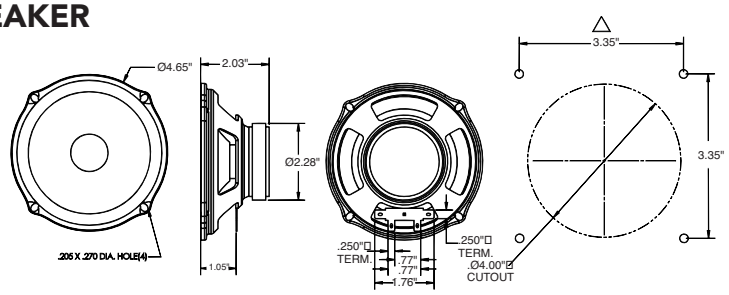
- 4" Diameter
- Full range
- 12 watt
- 8 ohm
- See chart for specifications



Part Number		Price per ea.	L/25
50-9002-00	4" Speaker, 12 watt	4.45	3.90

5" SPEAKER

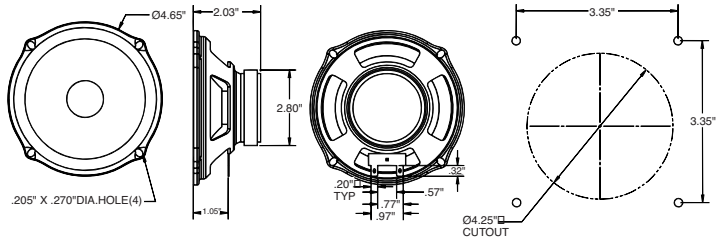
- 5" Diameter
- Full range
- 8 watt
- 8 ohm
- See chart for specifications



Part Number		Price per ea.	L/25
50-9003-205	5" Speaker, 8 watt	4.65	4.10

5" SPEAKER

- 5" Diameter
- Full range
- 12 watt
- 8 ohm
- See chart for specifications



Part Number		Price per ea.	L/25
50-9004-00	5" Speaker, 12 watt	4.85	4.55

SPECIFICATIONS

Part Number	Diameter in/(mm)	Height in/(mm)	Nom (Watt)	Max (Watt)	Ohms	Hz	Db	Range	Magnet	Net Weight	Frame	Diaphragm	Terminal Size (in)
50-9000-00	3.94(100)	1.42(36.1)	2	8	8	160	89	14,000	3 oz	280g	Square	Paper	.205/.250
50-9002-00	3.94(100)	1.66(42.1)	4	12	8	160	90	15,000	6 oz	388g	Square	Paper	.205/.250
50-9003-205	4.73(120)	1.67(42.5)	2	8	8	135	91	15,000	3 oz	265g	Pin Cushion	Paper	.205/.250
50-9004-00	4.73(120)	1.92(48.8)	4	12	8	135	91	8,000	6 oz	440g	Pin Cushion	Paper	.250

4" ROUND SPEAKER GRILLE

- Metal mesh grille
- 4-1/2 center-to-center mounting holes
- Color: black

Part Number		Price per ea.
49-5181-00	4" Round Speaker Grille	4.35

4" SQUARE SPEAKER GRILLE

- Metal mounting frame
- Black plastic grille snaps onto metal mounting frame

Part Number		Price per ea.
49-5182-00	Square Speaker Grille	4.35

3" SPEAKER WITH TWO MOUNTING FLANGES

NEW

- 4 Ohm / 15 watt
- Full range
- Two mounting flanges
- 30 per box
- "+" terminal = .205"
- "-" terminal = .113"
- Used on Midway Games like: Crusin Exotica, Hydro Thunder, Off Road Thunder, Touchmaster

Part Number		Price per ea.
5555-16223-00	3" Speaker with Two Mounting Flanges	5.20

4" SPEAKER

NEW

- 4 Ohm / 15 watt
- Shielded

Part Number		Price per ea.
5555-14680-00	4" Speaker	7.20

4" SPEAKER & GRILLE SYSTEM

NEW

- Black metal grille and 4" speaker molded into one unit
- 4" dual cone speaker with 3 oz. magnet
- Full range 30 watt speaker, 8 ohm
- .187" & .250" terminals
- 4 mounting holes are pre-drilled

Part Number		Price per ea.
50-9007-00	4" Speaker & Grille System	9.90

5-1/4" SPEAKER

NEW

- 4 Ohm / 25 watt
- Unshielded
- .250 terminal

Part Number		Price per ea.
5555-12856-00	5-1/4" Speaker	11.15

5-1/4" SPEAKER

NEW

- 8 Ohm
- Shielded
- Full Range
- 25 Watts

Part Number		Price per ea.
5555-15098-00	5-1/4" Speaker	23.05

6" SPEAKER

NEW

- 4 Ohm / 25 watt
- Unshielded
- Full range

Part Number		Price per ea.
5555-12929-00	6" Speaker	7.20

6-1/2" SUBWOOFER

NEW

- 4 Ohm
- 6-1/2"
- 1.5" V.C. Foam Surround
- 90 Watts

.187 terminals

Part Number		Price per ea.
5555-16059-00	6-1/2" Subwoofer	16.45

6" X 9" SPEAKER

NEW

- 8 Ohm
- Shielded
- With (2) .250 terminals
- 15 Watts

Part Number		Price per ea.
5555-15298-00	6' X 9" Speaker	12.25

8" SPEAKER

NEW

- 4 Ohm
- 25 Watts

Part Number		Price per ea.
5555-15078-00	8" Speaker	11.15

PEAVEY 3 WAY SPEAKER

NEW

- Two-way sound reinforcement enclosure
- 400 Watts program, 800 watts peak
- One 10" woofer with 2.375" VC and lightweight neodymium magnet
- RX14™ compression driver with 1.4 inch titanium diaphragm 1 inch exit
- 90 x 40 constant directivity horn
- Tweeter protection
- Heavy-duty crossover
- Lightweight molded polypropylene enclosure
- Molded-in pole mount system
- Heavy-duty metal grille

Part Number		Price per ea.
96-0001-00	Speaker Peavey 3 way 10 inch Woofer Black	160.74

PEAVY VERSAMOUNT 35 BRACKET ASSEMBLY

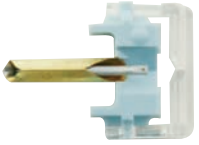
NEW

- Ceiling bracket can be used with the Impulse®6, Impulse®6T, Impulse®652S, and Impulse 100 cabinets
- Supports up to 35-lbs
- Black finish

Part Number		Price per ea.
96-0003-00	Peavey Versamount 35 Bracket Assembly	45.99

PHONOGRAPH NEEDLES

- Direct replacement for original phonograph needles
- Top quality diamonds and sapphire for long life
- Hand crafted workmanship protects records from damage



Part Number	Manufacturer & Models	Price per ea.
253772	Seeburg Saphire, Sold per Pair	19.42
49-0545-00	Shure Blue Diamond Needle N44C For Rowe-AMI and Rock-Ola	28.40
95-0619-00	Economy Diamond Needle For Rowe-AMI Series R83-R92	7.20

DUAL CHANNEL REMOTE VOLUME CONTROL WITH CANCEL BUTTON

- For Rowe Jukeboxes
- Two separate volume controls allows you to "balance" the sound
- Cancel button to reject current play

Part Number		Price per ea.
H30632209R	Dual Channel Remote	85.55

AUDIO ACTIVATED SPEAKER (MUTE) SWITCH

Allows you to mute or play speakers as follows:

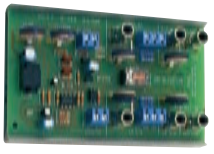
- Silences background music during jukebox play but preserves paging function
- Silences a stereo system during jukebox play
- Plays the jukebox through stereo system speakers
- Silences a mono background music system during jukebox play
- Plays a jukebox through a mono music system
- Adjustable delay from zero to three minutes
- Speaker wire is attached via screw down terminal strip.
  RCA jack version also available (95-0784-00)

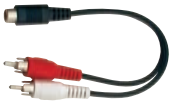
Part Number		Price per ea.
95-0698-00	Audio Activated speaker (mute) switch	77.35

PAS AUDIO ACTIVATED LINE LEVEL SWITCH

Allows you to play audio as follows:

- Play a background tuner (tape) through the CD jukebox amplifier and speakers
- Play the jukebox through a mono background music amplifier and speakers using a 70 V feed
- Play the jukebox through a stereo receiver (amplifier) using a 70 V feed
- Play the jukebox through a stereo receiver (amplifier) using line level feed
- Silences a stereo receiver (amplifier) during jukebox play but not play the jukebox through the stereo receiver (amplifier)
- Has "RCA" jacks for jukebox / device to plug into





Part Number		Price per ea.
95-0784-00	PAS Audio Activated Line Level Switch	85.90

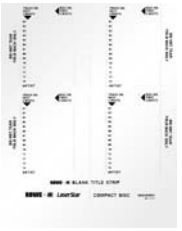
SINGLE CHANNEL REMOTE VOLUME CONTROL WITH CANCEL BUTTON

- For Rowe Jukeboxes
- Also works on Rockola Models 3000, 4000, 5000, 6000
- Cancel button to reject current play

Part Number		Price per ea.
H30632201R	Single Channel Remote Volume Control With Cancel Button	46.00

ROWE CD-100 TITLE STRIP CARDS

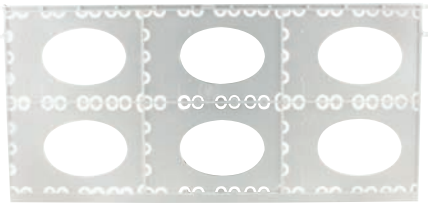
- Four titles per card



Part Number		Price per ea.	L/50
30935904	Title Strip Cards, Blank	.46	.42
30935903	Title Strip Cards, Numbered	.83	.73

ROWE TITLE PAGE FOR CD-100

- For use on Rowe CD-100 jukeboxes
- 6 titles per page
- Durable white plastic



Part Number		Price per ea.
61094202	Rowe Title Page for CD-100	15.95

THE SOLUTION

Are you having a problem getting your older wall mount NSM jukeboxes to accept the newer currency? Well, Happ Controls has *The Solution* to your problem. Now you can update your older NSM wall mount jukeboxes to accept the new currency, dollar coin, and the quarter.

Introducing: *The Solution*, our attractive streamline side mount kit.

The Solution

- Now you can update your older pre-5.1 NSM wall mount jukeboxes to accept the new currency, dollar coin, and the quarter
- Everything you need for an easy and fast installation in less than 15 minutes
- Provides higher revenues and fewer service calls
- Easier collections
- Bill validator not included
- Now you can experience the reliability you have come to expect from Mars validators
- This product is intended to be used with MARS AE2400 or AE2600 upstacker, 110 vac, sold separately
- Utilizes Imonex R9 roll down acceptor for $1.00 & $.25 coins
- Dimensions: 23.50" H x 7.56" D x 5.50" W

Kit Includes everything you need for an easy and fast installation:
Enclosure box, mounting hardware, lock & key, metal blanking plates, Imonex R9 roll down acceptor

Part Number		Price per ea.
40-0675-10	The Solution Side Mount Kit	252.20

Optional Bill Validators Available

42-7434-00	Mars AE2411U5E $1& $5 w/500 bill capacity upstacker	349.95
42-7310-00	Mars AE2611U7E $1, $5, $10 & $20	524.04

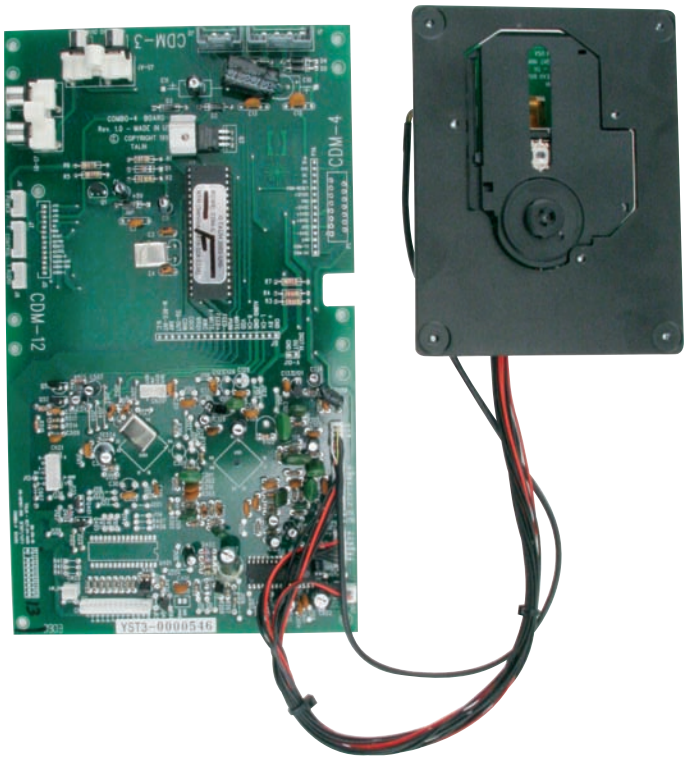
ROWE R-89 SELECTION OVERLAY

- Replace your old, cracked, worn out or torn overlay panel with this new overlay
- This part is no longer manufactured by Rowe
- Red with black lettering
- For use on Rowe R-89 Jukebox

Part Number		Price per ea.
27-1058-00	Rowe R-89 Selection Overlay	20.60

JUKEBOX CD PLAYER UPGRADE KIT FOR ROWE CDM 3

- Drop-in replacement at location
- High quality Sanyo player utilizing Sony technology virtually eliminates skipping of CDs
- Manufacturers Warranty
  - 1 year on decoder board
  - 2 years on CD player
- 24 hr. tech support
- Lower your investment costs
- New universal lightweight hub
- Easy installation (under 30 minutes)
- Made in USA by Digital Micro



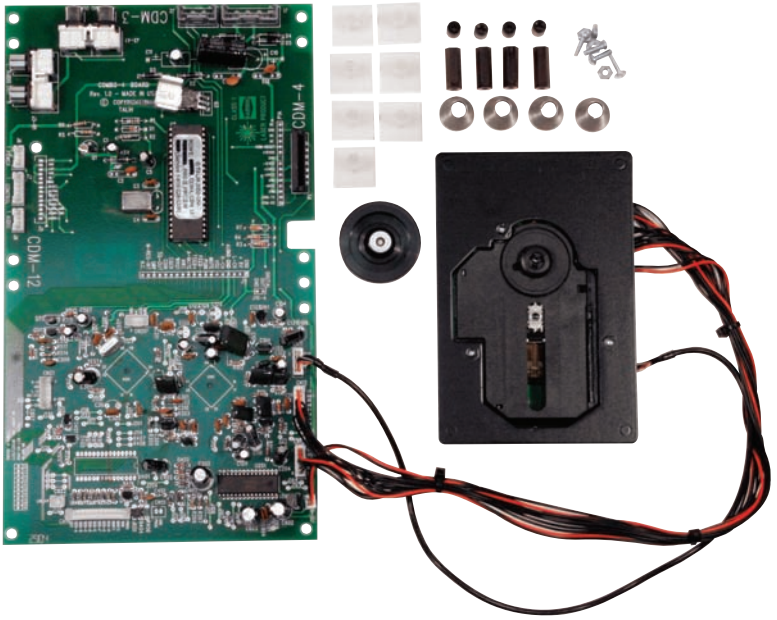
Kit Includes:

Sanyo CD Player (95-2001-00)
Decoder board
Hub
Universal lightweight spindle
Mounting hardware

Part Number		Price per ea.
95-1997-00	Jukebox CD Player Upgrade Kit For Rowe CDM 3	234.99
95-2001-00	Replacement CD Player for Kit	79.99

JUKEBOX CD PLAYER UPGRADE KIT FOR ROWE CDM 4 OR CDM 12

- Drop-in replacement at location
- High quality Sanyo player utilizing Sony technology virtually eliminates skipping of CDs
- Manufacturers Warranty:
  - 1 year on decoder board
  - 2 years on CD player
- 24 hr. tech support
- Lower your investment costs
- New universal lightweight hub
- Easy installation (under 30 minutes)
- Made in USA by Digital Micro

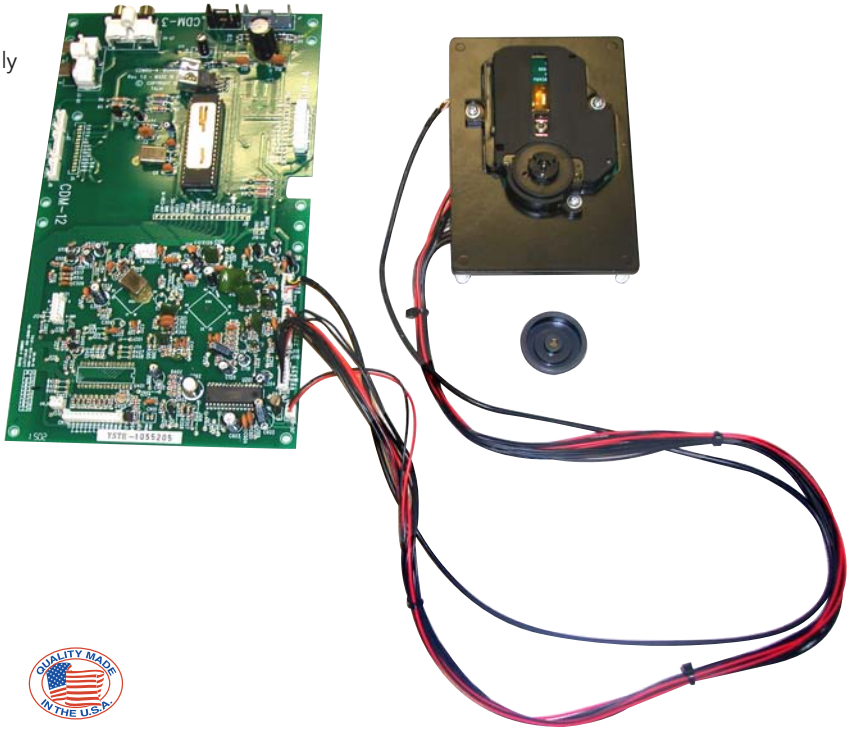


Kit Includes:

Sanyo CD Player (95-2001-00)
Decoder board
Hub
Universal lightweight spindle
Mounting hardware

Part Number		Price per ea.
95-1998-00	Jukebox CD Player Upgrade Kit For Rowe CDM 4 or CDM 12	259.99
95-2001-00	Replacement CD Player for Kit	79.99

JUKEBOX CD PLAYER UPGRADE KIT FOR NSM CDM 4



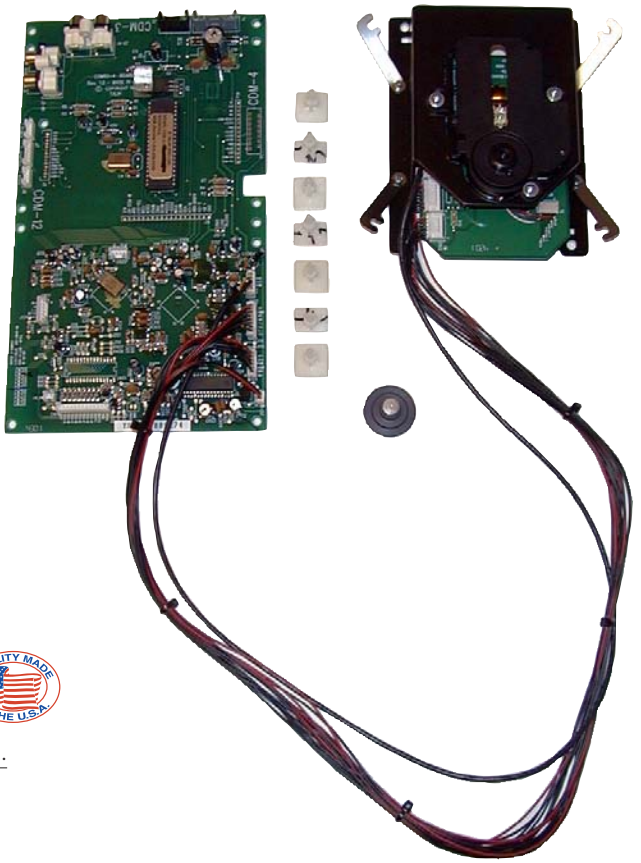
- Drop-in replacement at location
- High quality Sanyo player utilizing Sony technology virtually eliminates skipping of CDs
- Manufacturers Warranty:
  - 1 year on decoder board
  - 2 years on CD player
- 24 hr. tech support
- Lower your investment costs
- New universal lightweight hub
- Easy installation (under 30 minutes)
- Made in USA by Digital Micro
- 90 Day Satisfaction Guarantee
- Receive a free replacement CD player (95-2001-51) with every 8 Kits Purchased

Kit Includes:

- Sanyo CD Player (95-2001-51)
- Decoder board
- Hub
- Universal lightweight spindle
- Mounting hardware

Part Number		Price per ea.
95-1998-50	Jukebox CD Player Upgrade Kit For NSM CDM 4	265.00
95-2001-51	Replacement CD Player for Kit	87.50

JUKEBOX CD PLAYER UPGRADE KIT FOR NSM CDM 3



- Drop-in replacement at location
- High quality Sanyo player utilizing Sony technology virtually eliminates skipping of CDs
- Manufacturers Warranty
  - 1 year on decoder board
  - 2 years on CD player
- 24 hr. tech support
- Lower your investment costs
- New universal lightweight hub
- Easy installation (under 30 minutes)
- Made in USA by Digital Micro
- 90 Day Satisfaction Guarantee
- Receive a free replacement CD player (95-2001-50) with every 8 Kits Purchased

Kit Includes:

- Sanyo CD Player (95-2001-50)
- Decoder board
- Hub
- Universal lightweight spindle
- Mounting hardware

Part Number		Price per ea.
95-1997-50	Jukebox CD Player Upgrade Kit For NSM CDM 3	275.00
95-2001-50	Replacement CD Player for Kit	87.50

NSM JUKEBOX PARTS

NEW

170212

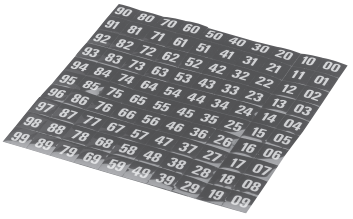
171743

177491

172187

206783

140024



212527

225343

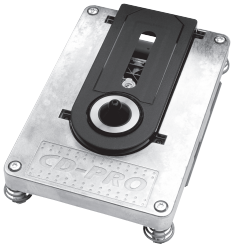
176395

176702

212509

180237

236000



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NSM JUKEBOX PARTS

NEW

Part Number	Description	Price per ea.
1640	Needle Black New Style	12.99
103652	Microswitch	15.75
114800	Bulb #114800 Mask Upper Left	29.15
114801	Bulb #114801 Mask-Upper Right	29.15
115611	Adapter	.91
140024	Cd Tray Cdm12	2.43
140218	Front Door Cd	58.33
140303	Lift Assembly	39.92
140333	Lift Assembly Gear	39.92
160059	Glass Keyboard/Dig T Floor	133.22
160141	Front Glass Gem Fire	262.49
171743	Wired Remote Volume Control	124.92
171799	Output Transformer	190.82
171881	Fan Amp	124.22
173178	Rvc Receiver Only Wireless	233.25
173432	Worm Gear Gem Series Title Display	2.85
173494	Magazine Insert White Plastic	2.67
173518	Stepper Motor [Was 176 299]	122.82
173603	Pin	1.00
173664	Display Board Wizard Jukebox	232.00
173712	Adapter Door Bottom Left For Jukebox	7.95
173794	Display Glass Cd Fire	29.92
174448	Button Title Drum	7.43
174648	Cd Audio Extension Board Rca	74.92
174751	Worm Gear Lower	14.99
174764	Upper Worm Gear Title Drum	16.37
174846	Drive, Front Side Title Drum	3.75
174873	Computer Es Iv Cd	375.00
174875	Gear Wheel	7.38
174886	Gear Wheel	6.50
175048	Ring	1.25
175077	Bracket Traverse Plate	5.33
175123	Blue Light Difusser	11.58
175503	Magazine Hub Assembly Esiv	15.64
175952	Rear Holder For Title Drum	2.50
175964	Trailing Cable Esiv And Esv Changer	42.02
175973	Frame Arrows	8.95
175974	Select Button Only	3.46
176061	Display Motor Left Side	81.49
176078	Coin Insert	2.50
176079	Coin Channel Performer Grand	6.10
176395	Disc Holder/Tray For Performer Grand Jukebox 10Pack	28.25
176574	Frame Select Button/Wallbox	2.00
176671	Key Pad	73.54
176702	Title Page With Rods Blank	3.16
176831	Clutch Assembly Title Drum	33.89
176832	Title Page With Rods Set Of 50	122.00
176972	Guide For Wall Mount Bracket	4.17
177440	Fan Cooling	71.00
177488	Microphone Adapter Kit Es 5 1	80.11
177596	Traverse 1	9.58
177597	Travers Ii	3.62

Part Number	Description	Price per ea.
177869	Bill Insert Chute Wall Box	2.50
178059	Key Pad	105.16
178180	Magazine Firebird Left & Right	50.00
178237	Colored Disc Digital Thunder	34.60
178266	Coin Entry Blue Digital Thunder	1.73
178267	Coin Channel Blue Digital Thunder	2.99
178779	Harness Mars Vn Series To	48.00
178955	Display Glass	29.92
178973	CPU Es5.1 Complete	499.00
179195	CD Pro Laser Assembly (Player)	458.33
179197	Push Button Coin Return	4.50
179199	Upgrade Kit To Convert Cdm4 To Cd Pro II Player	699.00
179213	Motor Flip Page	59.89
179225	Title Holder Gem Series	15.39
179251	Cb Title Display Complete	71.00
179279	Plate	1.25
179297	Rocker Button Assembly Esvi	64.68
179356	Control Board Rocker Button Select	39.95
179542	Gear & Motor Assy Premounted Gem Series Title Display	70.99
179544	Double Tooth Wheel	1.49
179545	Toothed Wheel	1.10
179546	Toothed Bar Title Display	9.95
179551	Bill And Coin Insert Frame	5.15
179630	Locking Lever	6.99
179707	Motor Assembly Gem Series	64.36
179708	Control Board	79.26
179792	Side Mask Gem Series Title Drum	23.83
179803	Cd Pro Esv Laser Kit	458.33
179840	Cd Pro Es4 Kit	399.00
179853	Control Board Es Vi	558.33
179855	Cd Display Assembly Es Vi	114.50
179887	Cable Bill Acceptor Central Wall Es Vi	16.58
179892	Harness Mbc Iii	23.93
179900	Display Assembly Es Vi	333.00
179902	Keypad Esiv 16 Buttons	105.00
179928	Motor Title Display	50.00
179970	Electronic Ballast Es6 Wall Jukebox	307.62
180074	Power Supply Es Vi 6	750.00
180152	Ballast Assembly Floor Esvi Cosmic Blast	307.62
180174	Power Supply Unit Esiv Assembly 120V	657.35
180189	Secondary Amp Es6	461.43
180237	Remote Kit New Style	125.99
205683	Spring Coin Reject	1.25
206676	Cabinet Lock Fire Jukebox	23.84
206719	Key Wallbox Fire #9901	10.17
206776	Belt Fire Bird	9.23
206783	Rvc Traitter Only 10-B	99.92
206787	Rvc Traitter Works On All Models Thru Es5	97.07
206789	Belt	7.58
207008	Lock	31.11
207309	Key #167676 240-I	19.67

NSM JUKEBOX PARTS CONTINUED

Part Number	Description	Price per ea.
211793	Bracket Wall Mount Juke	32.30
212509	Title Sleeves Set Of 100	154.00
212510	Overlay Set 112 Esvi Page	111.00
212527	Sticker Sheet	7.59
212967	Light Diffuser	13.12
216351	O-Ring (Drive Belt)	.99
216829	Receiver Remote	60.79
216830	Wired Remote	161.10
216864	Amplifier	380.48
217133	Lid Lock	28.00
217176	Key 2H0010	4.99
217506	Caster Double	19.92
217992	Lid Key Galaxy	10.29
219410	Title Sheet 4 Per Sheet	.70
219861	Number Sheet	7.59
221002	Battery Ram	17.35
221006	Eprom Ver. 1.07E Es 6	17.95
221883	Bd 239B Transistor	2.38
221886	Transistor Bdw83C	6.20
221902	Bdw 84C Transistor	6.33
221902	Transistor Bdw84C	6.33
222000	Button Switch For 16 Button Keypad	2.50
222464	Micro Microswitch.	6.50
222485	Thermal Protector	5.69
222515	Switch Title Page Button Firebird Ii	3.46
222547	Microswitch Title Button	4.44
222602	Coin Switch	8.99
222604	Coin Switch Cosmic Blast	28.33
223423	Transformer Wall	247.18
224215	Ballast 50Hz	34.92
224254	Ballast 13Watt 120V	28.99
224291	Woofer Speaker Gal/Sky/Pg/Pgii	97.15
225040	Starter S10	2.19
225343	Starter S2	2.19

Part Number	Description	Price per ea.
225365	Bulb #225365 Socket Flourescent	2.19
225533	Bulb #225533 Socket 12V 161	.58
225587	Bulb #225587 Socket	.80
225760	Fuse 1. 6 Amp 250V	2.79
226056	Bulb #226056 Frosted 12V Minature	1.18
226112	Bulb #226112 Black Light Cosmic	10.00
227528	Power Cable	30.00
231322	Opto Coupler	2.56
231416	Display 7 Segment	4.75
231422	Battery	24.66
231427	Dual Diode For	3.75
231462	Ic R65 C52 Es V Ccu	31.00
231497	Ic Battery Ram -Es V Ccu	58.33
231992	L6569 Ic	8.25
231993	Irf840 Transistor	5.17
236000	Simplified Remote Traitter Rc602 Es6	99.92
239319	Blank Title Strips Gemfire	1.20
907224	Grey Button	6.50
91-3000-00	Lamp 4 Watt T5 6"	3.05
91-3002-00	8 Watt 12 Inch T5 Lamp	2.15
91-3004-00	13 Watt 21 Inch T5 Lamp	5.05
96-9013-16	Lcd Display Unit 179900	307.62
10057K106	Remote Chameleon	142.35
10057K107IR	Receiver Wirerless Remote	88.97
10103K94	Wired Remote Download Box	220.72
160168V	Glass Victorian Front Glass	179.99
17X3975	Spare Key For Ace Lock	7.67
17X832	Title Drum Replacement Kit	145.27
17XMIC	Microphone Kit Includes Cable	242.86
88XUPGRADE	Upgrade Kit Dba3 Mars Wall	625.00
88XUPGRADEMB	Update Mba Control Box	202.38
88XUPGRADEMBA	Mba New $5.00 Chip Upgrade	191.67
88XUPGRHDW	Hardware Upgrade Kit Dba3 To Mars	41.67
907NVRAM	Nv Ram Board Es Vi Centrale	40.39

ROCKOLA PARTS

Part Number		Price per ea.
02464	Fan/Filter Mounting Kit	53.95
02465	Ipod Docking Kit	266.60
36121	Lamp, Fluorescent, 24", Cool	7.50
56116	Page Program - 3 Position CD	7.75
57183	Program Page - 4 High	20.00
57356	Title Page, Black Plastic	1.75
57433	Lamp, Incandescent, 11W, Orange	3.25
57434	Lamp, Fluorescent, 15", Cool	11.25
57447	Bubble Tube,Straight Long	38.75
57448	Bubble Tube, Long Curve	36.25
57449	Bubble Tube, Short Curve	35.75
57467	Lamp, Fluorescent, 9", Cool	8.25
57473	Lamp, Incandescent, 7-1/2W,	2.75
58641	Switch, Corcom	46.00
58679	Switch - Momentary (Scan)	5.75
59324	Brushes Replacement - Dc Gear	4.50
59954	Hub, Insert Cd Pro II	5.25
02379-02	Microphone Kit - Yoga	80.00
34311-04	Gripper Release Gear	3.00
34312-02	Gripper Turnover Gear	3.00
43414-01	Snap Switch Enclosed Spdt	11.75
58089-A	Cd91 Binder - Complete	47.50
58816-1A	Ir Remote Detector & Cable Asy	82.00

Part Number		Price per ea.
59933-01	Bezel, Coin Entry, Black Abs	7.50
61467-A	Remote Control Assy,Lge W/Ovly	23.50
ST-06030-04	Caster, Dual Wheel	14.00
ST-11191-K	Key P-1200	14.00
ST-11296	Lock 1-1/8	8.25
ST11296K	Key #Ec-105	5.00
ST-11449	Lock - Dome (W/P1200 Key)	12.50
SV-34310-01	Gripper Shaft Gear	5.75
SV-55941-1A	Dc Gear Motor, Replacement	94.00
SV-57386-01	Pilaster, Plastic, Cream	73.50
SV-58045-A	Motor Assy - 110V 10 Rpm Lh	33.00
SV-58046-A	Motor Assy, 110V 10Rpm Rt	33.00
SV582701A	Power Supply Ckt Bd Assy -	250.00
SV-58690-A	Harness Assy - Cdm12 Interface	15.50
SV60046A	Ir Receiver Assy	68.00
SV60417A	Ups, Digital Jukebox	145.00
SV-60936-A	Led Controller	109.00
SV-61087-A	Power Supply Box Assy	205.00
SV61215A	Rf Remote Transmitter	72.00
SV-70004-A	Volume Control Assy-Sybersonic	45.00
SV-70163-1A	Amplifier Assembly, Dual	1085.00
SV-70164-A	Computer Assembly, Da-9000	1250.00
SV-70169-A	Control Amplifier Assy	310.00

HAPP SELLS BRAND NAME QUALITY

REPLACEMENT PARTS FOR ROWE JUKEBOX

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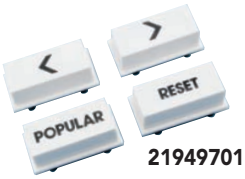

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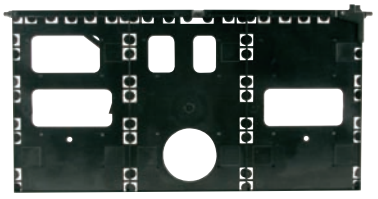

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21922501

40824302

H30632201R

Part Number	Description	Price per ea.
1620	Needle Economy Rowe	8.78
96540	Coin Mech 3 Coin Rowe Imonex	39.61
4081009	Logic Brd. Adv Mag R 24 Volt	125.00
4081652	Pulley And Tire	3.75
4341401	Snap Switch Rockola	17.63
20029501	Starter sockets	5.25
20384301	Roller	1.24
20669501	Support Lock	1.57
20922502	Spacer	.78
20922503	Spacer	2.24
20922510	Spacer	.68
21073101	Switch	4.20
21073102	Switch	5.64
21073201	Switch For BC1200	6.85
21073402	Switch Micro Gol Contact	16.38
21080804	Shoe Assembly-Inner Rowe Jukebox	5.92
21082901	Actuator switch	3.30
21085701	Plunger assembly	10.25
21089401	Bracket	8.79
21150510	Solenoid assembly	49.20
21153701	Spring Support Grommet	.68
21256201	Spring	.48
21275101	Relay	26.16
21279602	Bar Mount Bracket Assembly	64.44
21287201	Lock Bolt	9.66
21312501	Roller	1.28
21312801	Timing Belt	3.93
21313301	Motor Run Capacitor	21.64
21315602	Roller-Idler	2.34
21316101	Spring Compression	1.97
21318902	Insulator	.77
21328601	Roller Arm Assembly	4.41
21339701	Photocell	6.51
21339801	Solar Cell	14.06
21342702	Rowe Retaining Spring	3.70
21520702	50K Pot	6.70
21534706	Pivot Pin	.87
21633601	Microphone Cable with Plug 50ft	51.74
21633702	Mic Cable & Plug Ext (50Ft) For Rowe Hand Held.	73.85
21639704	Kit Background Music Wp 100	129.95
21712701	Latch Assembly	14.95
21712801	Latch Assembly, Right Hand	9.93
21742914	Button & Shaft-Rowe	13.35
21742916	Button Shaft Assembly Rowe Jukebox	20.94
21773302	Switch	5.25
21776009	Fastener Speed Clip	.69

Part Number	Description	Price per ea.
21792901	Flap Slug Cup	1.12
21810901	Solenoid assembly	30.85
21813802	Rowe-Magazine Drive Belt	11.20
21816001	Sprag lever assembly	7.45
21816103	Stem Bushing	1.45
21822620	Manual-Service (Cd 100C Vol 1) Jukebox	25.00
21822655	Manual Cd100J Rowe Jukebox Volume I	26.25
21822656	Manual Cd100J Rowe Jukebox Volume II	26.25
21845637	Window Wp100 Rowe Jukebox	14.62
21862201	Lamp (#73) and Socket Assy.	2.70
21865303	Pivot link	2.60
21869801	Switch, housing assembly	15.45
21897301	Belt, O-Ring	3.45
21920302	Plate Assembly Pivot	8.50
21922501	Button Set, horizontal popular & reset	47.90
21940101	Grommet	3.15
21940102	Rowe Grommet	1.25
21942201	Switch	18.78
21942301	Reject Button	12.60
21949701	Pushbutton Kit Reset	16.25
21950002	Wall Mount Kit Eagle	85.91
21956101	Kit Magazine New Style	275.90
21957502	RVC Remote Wireless Infrared	265.29
21958304	Transmitter Infered Modified	55.91
21958305	Transmitter Infra Red Rowe Ir	49.00
21958306	Transmitter Ir Dl 4 Ch	35.56
21960201	Cork Washer	2.05
21960202	Washer Traction	.56
21961101	Window Front Cd-100B	24.15
21961102	Window Front Cd-100C	33.42
21966201	Rowe-Piston Assembly-Gas Spring	9.35
21966601	Rowe Cd Lens Cleaner 37 Ml.	31.05
21968301	Blockout Retainer	3.30
21968701	Wallett Kit Concentrator	236.25
21972201	Rowe Drive Wheel	15.69
21978901	Spacer - Switch And Title Rack	1.16
21990203	Rowe Coin Switch Assy For Mmi	31.75
21994701	Kit Ir Transmitter	70.91
22100801	Rowe Title Page Lever	1.59
22101501	Rowe Reduction Gear	6.62
22101601	Rack Title Page	2.66
22111807	Kit Mars Ba Cd100H	61.11
22111808	Mars Validator Instalation Kit Encore	180.18
22111809	Mars Validator Instalation Kit Starburst	98.21
22111822	Installation Kit-Mars	86.39
22116001	Rowe Cdm Cleaning Kit	34.05
22116101	Rowe Cdm12 Grease	10.25

REPLACEMENT PARTS FOR ROWE JUKEBOX CONTINUED

Part Number	Description	Price per ea.
22116601	Rowe Mounting Bracket Top Corner Wall Box	2.39
22121101	Blockout Keyhole	1.73
22141702	Frame Hard Drive Rowe Jukebox	80.96
22153802	Transformer Flat Screen Rowe	88.00
22167906	Infra Red Volume Control Cd 100 A B Jump Kit	130.00
22167907	Infra Red Volume Control Wall Box Jump Kit	130.00
22167925	Kit Remote Adaptor Jump Nsm	130.00
22177001	Decal Set Rowe Starbrite Jukebox	11.33
22178501	Modem Kit Pci 56K Rowe	40.00
22192013	Hard Drive Ami Favorites Rowe	212.50
25060101	Bracket	1.22
25064401	Tension Spring	.78
25070218	Decal Dollar Bill	4.49
25070239	Label-Bill Insertion	4.78
25073801	Timing Belt, GTE 6.8	3.57
25076002	Magnetic Head	29.33
25076607	Roller Assembly	8.90
25096201	Idler	1.30
25096301	Shaft	5.81
25097701	Hopper Motor Spring	.60
25099403	Solenoid 8 Ohm	17.93
25113701	Drive Shaft	14.62
25113702	Shaft & Pin	8.80
25158901	Bucket Door And Plunger	26.98
25158902	Plunger & Door Lg Assembly	25.59
25166801	Lamp And Terminal	4.15
25171202	Agitator Assembly Upper	12.41
25175701	Sensor & Cable	20.48
25175702	Photo detector with terminal	42.40
25179701	Crank/Pin Assembly	14.91
25186401	Belt	3.78
25189701	Insulation Pad	24.97
25191201	Rowe, Relay, Double Pull Double Throw	14.19
25191301	Indicator Light	8.62
25191701	Pivot Pin	.96
25192401	Rowe 20 Tooth Pulley	5.06
25193301	Roller Crowned	.62
25193302	Roller	1.12
25193401	Shaft	2.39
25193402	Shaft Crowned Pulley	3.05
25193601	Creasing Roller, Large	1.50
25193602	Creasing Roller, Small	2.62
25193901	Roller Pressure Upper	1.26
25193902	Idler Roller Input	2.07
25194701	Roller	2.15
25194901	Idler Roller	2.75
25213501	Long Sleeve	2.43
25213502	Short Sleeve	1.59
25224501	Rowe Baffle And Bracket Assy	5.66
25235001	Shaft Roller	1.59
25236301	Photocell BC3500	7.29
25236302	Photo Cell	6.40
25244101	Shaft	8.82
25248001	Standoff Male	3.37
25253501	Spacer Rowe	4.65
25254801	Kit Cleaning Strip	15.78
26679501	Paging Kit Hand Held Mike Kit	145.72
26679502	Paging Kit	139.99
26694703	Rowe Amplifier Kit R91 Thru Cd100C 26694703	167.90
26694703	Amp Kit R-91	167.90
26694704	Rowe Amplifier	156.65
26704301	Paint Ensign Blue	30.40
26704402	Paging Kit Hand Held Mike (Includes 50' Cable)	215.20
26710902	Key# C094A	2.78
27023902	Hopper Brush	8.83
27027201	Bracket	2.66
27030501	Update Chip Kit 1200 1400 3500	49.99
27030506	Eprom And Piggyback 2006 $10 Rowe	66.67
27032301	Kit Lower Track	47.85
27033401	Bulb #27033401 Conversion Kit	17.41
27033401	Lamp Kit	17.41
27036001	"Roller Assembly, Oba Update"	11.54
27037901	Optical Switch	23.34
27038901	Rowe Pulley & Shaft	14.89
27038901	Shaft & Pulley	14.89
27039804	Rowe Cba Update Kit	169.05
27062801	Silicone Lube	11.99
27065001	Update Chip New 5S &10S Only	26.88
27065101	Oba Piggyback Kit	68.20
27065102	Oba-2 Piggy Back Pcb	45.00
28098710	Eprom-Vesion 2.03 Cba 2 $1 And $5	21.18
28098711	Ic Microprocessor Oba2 Rowe Validator	16.21
30426707	Terminal Strips	5.59
30426707	Terminal Strips	5.59
30519703	Gripper Bow & Hub Assembly	37.01
30519704	Rowe Gripper Bow & Hub Assy	37.76
30570701	Coin Chute Top	14.91
30570801	Coin Chute Bottom	14.14
30622102	Window	4.97
30628501	10K Ohm pot (21994602)	17.55
30632201	Rvc	42.00
30632209	Rvc Dual	67.00
30634001	Caster And Cup	28.40
30656905	Microphone For Rowe Jukebox Handheld	165.25
30656905	Microphone	165.25
30699613	Button Green	11.08
30702601	Cloth Cash Bag	13.45
30743126	Button set, number 0-9	25.03
30743203	Reset Button B/W Horizontal	3.23
30743207	Reset Button	5.75
30743208	Rowe Popular Button Black with White Letters Vertical Print	4.10
30763103	Battery 2.4V Rechargeable Rowe	9.92
30787204	Hinge	84.29
30790401	Sprag Gear For Rowe Model E	4.95
30790603	Rotator Assembly New Style	4.65
30790801	Transfer Motor And Crank	204.95
30790801	Motor	204.95
30793301	Sprag wheel hub	2.35
30793901	Sprag plate	18.85
30800229	Udn 2953	16.99
30800236	Ic Real Time Clock Rtc 72421	40.66
30800263	Ic Eprom 128 X 16	8.05
30837101	Keyboard switch	4.10
30858001	Plate	8.95
30866501	Orange lens cover	1.60

REPLACEMENT PARTS FOR ROWE JUKEBOX CONTINUED

Part Number	Description	Price per ea.
30866502	Blue lens cover	1.55
30866503	Clear Lens Cover	2.55
30866504	Purple Lens Cover	1.50
30866505	Red Lens Cover	1.45
30866505	Red lens cover	1.45
30873101	Battery 3 Volt Lithium	8.65
30902401	Readout card	59.95
30904901	Coil	14.48
30905901	Rowe Optical Sensor	47.36
30906801	Optic switch	83.50
30923807	Vertical Arrow Button For Rowe Jukebox	8.25
30925501	Cd Title Strips	.50
30926904	Disc Only Animation Assembly	5.25
30929201	Spacer	2.95
30930002	Lift Arm Cam Cd100	2.06
30930402	Rowe Hub & Hold Down Magnet	15.10
30930501	Harness	18.20
30930601	CD Power Harness	21.95
30931601	Guide Reject Bracket For CD	7.55
30932203	Lever Mech Release For 100 Series Jukebox	10.95
30933204	Display Vacumn Flu	54.00
30933901	Cd Page & Clip Assembly Black	6.26
30933902	Rowe Cd51 3 Page Title Holder Black	8.25
30933903	Page & clip assy for CD-100, red	11.35
30934902	Selector graphics card	7.30
30935903	CD title strip cards, numbered (4 per card)	.83
30935904	CD Title Strip Cards, Blank	.46
30936203	Title Page Motor	70.57
30936301	Motor gear assembly For CD-100	158.95
30956301	Piston support kit	4.65
30957603	T Moulding Silver & Grey	7.97
30960101	Switch Assembly	94.33
30972301	Color Tube	6.79
30973101	Caster & Cup Assembly	24.55
30979901	Rowe Title Page Bearing	1.65
30982303	Motor Rh Cd100F Color Tube	37.00
30982304	Motor Lf Cd100F Color Tube	51.46
30995201	Wireless Microphone Kit	249.98
30999601	Gear Crank	1.81
34002601	Card-Ami Lh	7.55
34002801	Rowe Side Decal Left	13.56
34002901	Rowe Side Decal Right	13.56
34007601	Reject Button 100G & 100K Rowe	1.79
34007701	Reject Bezel 100G & 100K Rowe	1.11
34012001	Rowe Belt Title Page Wallet	8.18
34012101	Rowe Page Motor	196.28
34015303	Power Supply Neon 12Vdc Rowe Jukebox	168.75
34022301	Rowe Harness F/Mei Val Upgrade Kit	19.95
34031102	Label Coin Inlet	13.88
34032901	Volume Control Unit	133.09
34036201	Hub Centering Pin	.53
35027808	T-Handle Assembly	54.19
35031202	Rowe Coin Chute Plastic	8.20
35032301	Instruction Panel Bc3500	280.00
35039301	Edge Chute Stacker Guide	2.15
35044502	Inner Coin Guide Assembly	18.20

Part Number	Description	Price per ea.
35044504	Guide Rear Assembly	31.04
35045201	Diverter Door Assembly Rh Rowe	6.95
35047101	Spacer	2.50
35047202	Rowe Agitator Cam Hi Cap	2.23
35048202	Rowe Cover For Terminal Board For Bc3500 Changer	2.25
35049002	Magnetic Head (Full Track)	44.62
35049102	Hopper Drive Motor	57.66
35054901	Ay Cel	12.65
35069101	Bracket Mounting	5.83
35072201	Stacker Motor Crank	90.20
35072801	Edge, Chute	3.83
35074101	Lock Bar Assembly	5.01
35074329	Decal 1 And 5	18.75
35079902	Sensor Pcb Oba 2	3.74
35079905	Pwb Reflective Sensor	3.45
35080001	Shaft Drum Pulley	4.17
35080004	Shaft Roller Take Up	4.45
35080101	Pulley Drum	.75
35080501	Lower Roller	14.91
35080603	Roller Assembly	5.79
35080702	Circuit Board & Bracket Assemby	37.95
35080801	Shaft	17.46
35080903	Drive Belt	7.09
35082001	OBA Timing Belt 70 Tooth	4.61
35082002	Belt Timing Oba	3.37
35082002	OBA Belt	3.37
35082004	Timing Belt CBA 1	8.39
35082005	Belt with Teeth 3500 Changer	9.33
35082007	Timing Belt Ba 50 210 Teeth Rowe	9.37
35082301	Shaft Top	2.72
35082904	Inlet And Stud Assembly	23.06
35083004	Lower Track	8.70
35085501	Shield And Hinge Assembly	90.53
35087216	Kit Base Bc100 Black Rowe	131.25
35087416	Kit Filler Bc100 Black Rowe	56.00
35087701	Motor	101.16
35087801	Stacker Motor & Switch Assembly	141.59
35088501	Sensor & Connect Assembly	68.49
35093701	Rowe Motor And Switch Assy	200.43
35095102	Rowe 16 Tooth Pulley	2.77
35097402	Lever Anti Cheat	8.91
35097801	Shaft Asm-Pressure & Roller	7.83
35114901	Belt Upper Drive 3500 Changer	9.64
35118601	Belt Clear Rowe Bill Transport OBA2	3.69
35118801	Harness Bc 3500	26.20
35118901	Insert	4.79
35126501	Anti Cheat Lever Pull Back (Ba-50)	1.49
35128701	Pressure Roller	5.08
35130001	Upper Harness And Cell Assembly	31.99
35130004	Lower Harness & Cell	60.64
37004001	Token Decal Bc3500	10.00
40527605	Cash Box Door Frame	9.57
40689101	Power Supply Wall Box, Aux	132.30
40710105	Drive board for CD	132.40
40712901	Sprague Assembly R-90	121.45
40714900	Generic Pneumatic Spring	14.50

TOUCHTUNE PARTS

TOUCHTUNES REFURBISHED RHAPSODY PC

NEW

- Refurbished PC
- Ref. No. 300083-001-R

Part Number		Price per ea.
300083-001-R	TouchTunes Refurbished Rhapsody PC	600.00

TOUCHTUNES MJS PC

NEW

- New MJS PC
- Ref. No. 300114-002

Part Number		Price per ea.
300114-002	TouchTunes MJS PC	995.00

TOUCHTUNES REFURBISHED MAESTRO PC

NEW

- Refurbished PC
- Ref. No. 300004-002-R

Part Number		Price per ea.
300004-002-R	TouchTunes Refurbished Maestro PC	650.00

TOUCHTUNES HOSA CABLE

NEW

- Hosa XRM105 XLR to RCA
- Ref. No. 300071-001
- Cable is 60-inches in length
- For use with Crown amplifier

Part Number		Price per ea.
300071-001	TouchTunes Hosa Cable	10.95

TOUCHTUNES 4-POST EURO CONNECTOR

NEW

- 4-post
- For use with MJS PC and Mirco-phone
- Ref. No. 100000-001

Part Number		Price per ea.
100000-001	TouchTunes 4-Post Euro Connector	3.50

TOUCHTUNES 2-POST EURO CONNECTOR

NEW

- 2-post Allegra amp.
- Ref. No. 100001-001

Part Number		Price per ea.
100001-001	TouchTunes 2-Post Euro Connector	3.50

TOUCHTUNES FAN FILTER

NEW

- For Maestro
- Ref. No. 400049-001

Part Number		Price per ea.
400049-001	TouchTunes Fan Filter	.75

TOUCHTUNES FAN FILTER

NEW

- For Genesis and Rhapsody
- Ref. No. 400070-001

Part Number		Price per ea.
400070-001	TouchTunes Fan Filter	.50

TOUCHTUNE PARTS

TOUCHTUNES RETROFIT 15" LCD MONITOR

NEW

- Retrofit monitor
- Ref. No. 300154-001
- Allows you to convert your old 17" CRT monitor to LCD
- Used on Genesis Jukeboxes

Part Number		Price per ea.
300154-001	TouchTunes Retrofit 15" LCD Monitor	473.00

TOUCHTUNES 15" LCD MONITOR

NEW

- Unit includes General-Touch touch screen and controller
- Ref. No. 300152-001
- Used on TouchTunes wall mount jukeboxes

Part Number		Price per ea.
300152-001	TouchTunes 15" LCD Monitor	515.00

TOUCHTUNES 19" LCD MONITOR

NEW

- For use with Allegro and Ovation jukeboxes
- Includes General-Touch touch screen and controller
- Ref. No. 300153-001

Part Number		Price per ea.
300153-001	TouchTunes 19" LCD Monitor	770.00

TOUCHTUNES DI BOX

NEW

- Line-out
- Ref. No. 700003-001
- Converts a balanced signal to an unbalanced audio signal

Part Number		Price per ea.
700003-001	TouchTunes DI Box	45.00

TOUCHTUNES GENESIS FAN

NEW

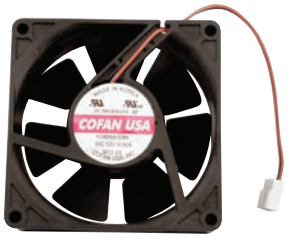
- 110V
- Ref. No. 300060-001

Part Number		Price per ea.
300060-001	TouchTunes Genesis Fan	39.95

TOUCHTUNES WALL MOUNT FAN

NEW

- 12vdc
- 80 x 80 x 25mm
- Used on Maestro jukebox
- Ref. No. 300073-001



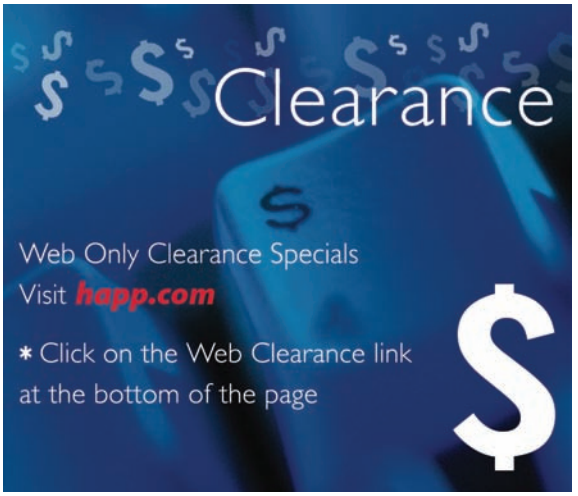
Part Number		Price per ea.
300073-001	TouchTunes Wall Mount Fan	26.93

TOUCHTUNES UNIVERSAL REMOTE KIT

NEW

- For all models
- Ref. No. 600024-001
- Dual frequency (27 Mhz, 433 Mhz)

Part Number		Price per ea.
600024-001	TouchTunes Universal Remote Kit	66.00



TOUCHTUNE PARTS

TOUCHTUNES 4-CHANNEL DIGITAL AMPLIFIER

NEW

- DA415
- 4 øper channel
- Ref. No. 700039-154
- Includes power cord
- **Used in Ovation Jukeboxes only**

Part Number		Price per ea.
700039-154	TouchTunes 4-Channel Digital Amplifier	275.00

TOUCHTUNES LIGHT GRAY SPRAY PAINT

NEW

- For Genesis jukebox
- Ref. No. 400161-001

Part Number		Price per ea.
400161-001	TouchTunes Light Gray Spray Paint	15.25

TOUCHTUNES DARK GRAY SPRAY PAINT

NEW

- For Rhapsody jukebox
- Ref. No. 400160-001

Part Number		Price per ea.
400160-001	TouchTunes Dark Gray Spray Paint	15.25

TOUCHTUNES SILVER PAINT

- For Maestro
- Ref. No. 400154-001

Part Number		Price per ea.
400154-001	TouchTunes Silver Paint	18.00

TOUCHTUNES 2-WAY SERIAL SPEAKER

NEW

- Ref. No. 700076-001
- 150 watts
- 4 ø
- For use with 700039-0154 4-channel digital amplifier
- Wall mount bracket included

Part Number		Price per ea.
700076-001	TouchTunes 2-Way Speaker Unit	97.50

BASS BOX POWER SERIAL SPEAKER UNIT

NEW

- For MJS PC based jukeboxes
- For use with 700076-001 2-way speakers
- Ref. No. 700077-001

Part Number		Price per ea.
700077-001	Bass Box and Power Active Speaker	366.29

SATELLITE SERIAL SPEAKERS FOR TOUCHTUNES

NEW

- For use with Touchtunes Jukeboxes
- Sold in pairs
- Ref. No. 700078-002
- 75 watts
- 8 Ohm

Part Number		Price per ea.
700078-002	Satellite Serial Jukebox Speakers	129.36

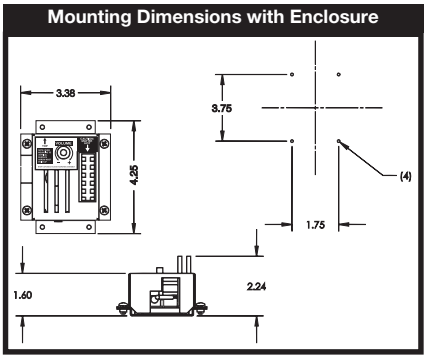
KIOSK AUDIO AMPLIFIER KIT

- Ideal to amplify audio for use within a Kiosk environment
- 2 channel amplifier
- Approx. 8 watts RMS per channel 10% THD (10 watts RMS @ 16v input)
- Volume control can be easily adjusted with fingers
- Compact size: 4.25" L x 3.38" W x 2.24" H
- Mounts easily to vertical or horizontal surfaces within cabinet
- Power input: +12vdc to +18vdc minimum 1.5a with either a 2mm coaxial power jack or .100" center locking header connector
- Audio input: 3.5mm male stereo jack
- Audio output: 6' long speaker harness with .205" female quick disconnect terminals

Part Number		Price per ea.	L/12
49-5140-200K	Kiosk Audio Amplifier Kit	73.05	68.90

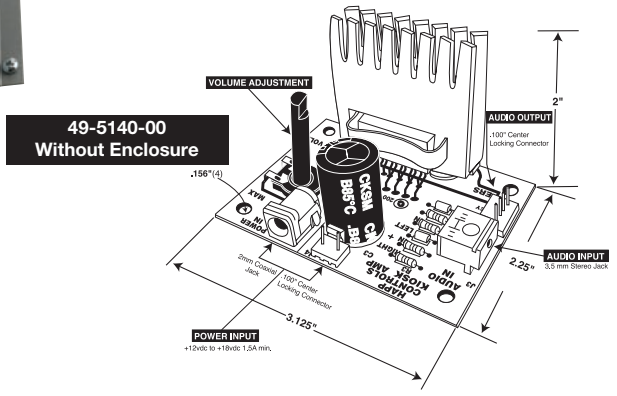
Kit Includes:

A. Audio Amplifier with enclosure (49-5140-100)
B. Plug-in power supply +12vdc 2amp (80-1153-00)
C. Audio input cable, stereo 3.5mm male to 3.5mm male, 6' long (96-0539-00)
D. Speaker harness, audio amplifier to speakers, 6' long with .205" female quick disconnect terminals (96-0542-00)



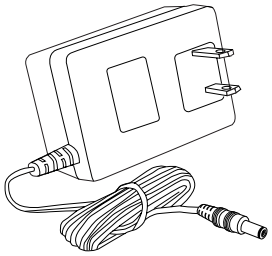
KIOSK AUDIO AMPLIFIER

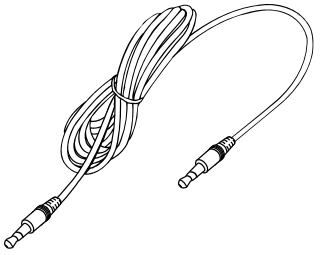
- 2 channel amplifier
- Approx. 8 watts RMS per channel 10% THD (10 watts RMS @ 16v input)
- Volume control can be easily adjusted with fingers
- Compact size: 4.25" L x 3.38" W x 2.24" H
- Power input: +12vdc to +18vdc minimum 1.5a with either a 2mm coaxial power jack or .100" center locking header connector
  (Optional Happ Controls plug-in power supply available, part number 80-1153-00)
- Audio input: 3.5mm stereo jack
- Ideal to amplify audio for use within a Kiosk environment
- Audio output: .100" center locking header connector



Part Number		Price per ea.	L/12
49-5140-100	Kiosk Audio Amplifier With Enclosure	45.20	40.95
49-5140-00	Kiosk Audio Amplifier W/O Enclosure	35.65	31.95

ACCESSORIES FOR AUDIO AMPLIFIER


80-1153-00


96-0539-00

96-0541-00

96-0542-00

Part Number		Price per ea.	L/12
80-1153-00	Plug-in power supply +12vdc 2 amp	13.00	11.85
96-0539-00	Audio input cable, stereo 3.5mm male to 3.5mm male, 6' long	2.85	2.75
96-0542-00	Speaker harness, audio amp. to speakers with .205" female quick disconnects, 6' long Speakers can be up to 60" apart	9.40	9.05

CD-PRO II PLAYER WITH UNIVERSAL HUB

- The CD Pro 2 is drop-in compatible with any jukebox currently loaded with a CDM-12 Industrial, CD Pro, or CD Pro 2
- Comes with NSM hub installed, but additional universal no-glue centering hub provided will work with all other models
- 1 Year Warranty
- Does not replace CDM-3 or CDM-4 players
- Instructions included
- Shipped in non-static bag
- Manufactured by Philips

Part Number		Price per ea.
95-1683-01	CD-PRO II Player with Universal Hub	295.00

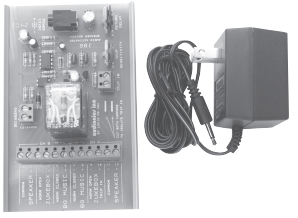
MOTORIZED SKIPDOCTOR CD REPAIR TOOL

- Made in USA
- Added convenience of an electric motor
- Repair CD scratches
- Radial resurfacing action removes or reduces the severity of harmful abrasions, scratches and other surface imperfections
- Provides the perfect control so that the right amount of material is removed from the CD every time
- Also repairs DVDs, and Play Station games

Part Number		Price per ea.
27-1423-01	Motorized Skip Doctor CD Repair Tool	54.99
27-1423-02	Two wheel Kit for Disk Doctor 2 per pack	13.35

JUKEBOX SWITCH

Part Number		Price per ea.
JBS1	Automatic Jukebox Switch for running a stereo system through the jukebox	59.99
JBS2	Pre Amp Jukebox Switch for boosting low level imputs	59.99



JBS1

COVERING YOUR TABLES WITH CHAMPIONSHIP BILLIARD FABRIC IS LIKE MONEY IN THE BANK

The clink of quarters in a coin box: the only thing more reassuring to someone in the amusement industry is knowing their tables are covered with Championship fabric. That's because our fabrics are engineered to withstand the punishment of commercial use, yet satisfy the most demanding amateur and professional players. We also offer our fabrics in six-packs of pre-cut bed and rail sets in addition to bolts, giving you more control of your inventory. And because the future is never far away, we set the pace in billiard fabric innovation. That way, with Championship, you can keep the balls rolling true and the quarters rolling in.

INVITATIONAL

Invitational

A unique, 19-ounce weighted, wool blend, Invitational is the #1 selling fabric in the amusement industry. Color options include: (00) Basic Green and (43) Electric Blue, which glows under black light. Invitational is available both backed and unbacked.

MERCURY ULTRA

Mercury Ultra

The playability of a worsted and the durability of a wool blend make this fabric very popular in commercial and coin-operated billiard rooms. Mercury Ultra holds the honor of being chosen official billiard cloth to more amateur tournaments than any other fabric in the world. Color options include: (31) Tournament Green, (32) Dark Green, (62) Burgundy and (43) Electric Blue.

VALLEY Teflon® Ultra BILLIARD CLOTH

by Championship

Valley Teflon® Ultra

Our latest fabric is impregnated with a new Dupont® Teflon® formula which makes it practically stain resistant while having no effect on playability. This way, spills can be wiped away and your investment is protected. Available in (31) Tournament Green.

Championship Billiards is proud to cover the 2003 BCA National 8-Ball Championships with Mercury Ultra Billiard Cloth.

2003 BCA NATIONAL 8-ball championships

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ENGINEERED BY MASTERS

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Mercury Ultra (3045/4045)
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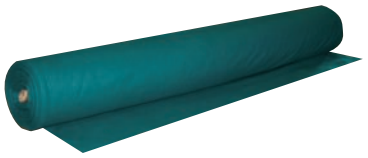
COLORS
NEW Red (35)
NEW Titanium (74)
NEW Charcoal (75)
Steel Grey (72)
Black (77)
Purple (55)
Olive (36)
Taupe (37)
Golden (45)
Khaki (46)
Camel (47)
Brown (59)
Tournament Green (31)
Dark Green (32)
Bottle Green (39)
English Green (38)
Aztec (81)
Brick (93)
Navy (58)
Burgundy (62)
Wine (66)
Euro Blue (57)
Electric Blue (43)
Brite Blue (85)
Brite Orange (84)
Brite Gold (53)
Brite Lime (90)
Brite Red (91)
Brite Pink (41)
NEW Brite White (89)
Match these colors to your stain finish at www.champbilliards.com

CHAMPIONSHIP MERCURY ULTRA POOL CLOTH

- Used in billiard tournaments
- Professional playing surface, plays true and fast
- High speed; minimal fuzz
- 66" wide, yields all 6 rails from side cut
- With inventory control tape insert
- 60/40 Wool/Synthetic
- Color: Tournament Green
- Sold per yard

by Championship



Part Number	Description	Price per yd.	35 yds.	70 yds.
26-1534-00	19 oz. Unbacked	17.00	15.45	14.95
26-1534-10	19 oz. Backed	21.70	19.55	18.95

VALLEY TEFLON® ULTRA POOL CLOTH

- Mercury Ultra cloth is bathed in DuPont® Teflon® before it is woven to create the only true water resistant cloth
- Perfect for your toughest locations
- Used on all new Valley pool tables
- Professional playing surface plays true and fast
- 66" wide yields all 6 rails from side cut
- 75% wool, 25% nylon
- Cloth weight is net, then backing is added for backed versions
- Guaranteed spill proof and stain resistant
- Backed cloth has special fusible backing
- Sold per yard in half or full bolts only
- Color: Tournament Green

by Championship

Part Number		Price per yd.	35 yds.	70 yds.
26-1534-15	19 oz. Unbacked	21.35	17.85	16.95
26-1534-20	19 oz. Backed	23.90	22.45	21.65

CHAMPIONSHIP TITAN POOL CLOTH

- 66" width yields all 6 rails from side cut
- True play, semi non-directional
- Durable: 75% wool, 25% nylon
- Specially created for fast play
- Active shearing assures the most level playing surface
- With inventory control tape
- Cloth weight is net, then backing is added for backed versions
- Sold per yard

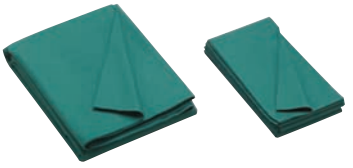
by Championship

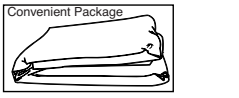
WITH BACKING		Price per yd.	35 yds.	70 yds.
26-1239-00	21 oz. 66" Standard Green	27.60	26.55	24.85
26-1491-00	21 oz. 66" Dark Green	29.60	28.55	26.65
WITHOUT BACKING		Price per yd.	35 yds.	70 yds.
26-1238-00	21 oz. 66" Standard Green	21.35	20.30	18.95
26-1493-00	21 oz. 66" Dark Green	21.35	20.30	18.95
26-1543-00	21 oz. 66" Tournament Green	21.35	20.30	18.95
26-1547-00	19 oz. Rail Cloth, Fluorescent Blue	3.45	3.30	2.95

CHAMPIONSHIP TITAN PRE-CUT POOL CLOTH BEDS

- 21 oz. cloth without backing, 75% wool & 25% nylon
- 100% Inspected-no strings
- Professionally cut to exact size specification for 7 ft., 8 ft., and 9 ft. pool tables
- Lower your inventory costs
- Prevents THEFT
- Includes cloth for bed and 6 rails
- Rails cut vertically from the length, not the width, for easier installation
- Conveniently packaged in a plastic bag

by Championship





Size:	7' Table	8' Table	9' Table
Price:	59.60 ea. 58.60 ea. L/6	71.60 ea. 70.60 ea. L/6	88.15 ea. 87.10 ea. L/6.
Color:	Part Number	Part Number	Part Number
Standard Green	26-1235-007	26-1235-008	26-1235-009
Dark Green	26-1235-107	26-1235-108	26-1235-109
Electric Blue	26-1235-207	26-1235-208	26-1235-209
Euro Blue	26-1704-00	26-1235-78	26-1235-579
Red	26-1235-307	26-1235-308	26-1235-309
Brite Red	26-1235-917	26-1235-918	26-1235-919
Brite Orange	26-1235-257	26-1756-00	26-1235-269
Burgundy	26-1235-407	26-1235-408	26-1235-409
Bottle Green	26-1235-607	26-1235-608	26-1235-609
English Green	26-1235-247	26-1235-258	26-1235-259
Camel	26-1235-807	26-1235-808	26-1235-809
Navy Blue	26-1235-147	26-1235-148	26-1235-149
Wine	26-1235-157	26-1235-158	26-1235-159
Purple	26-1549-00	26-1569-00	26-1569-09
Steel Grey	26-1235-177	26-1235-178	26-1235-179
Charcoal Blue	26-1235-187	26-1235-188	26-1235-189
Black	26-1235-197	26-1235-198	26-1235-199
Aztec	26-1235-217	26-1235-218	26-1235-219
Brick	26-1235-237	26-1235-238	26-1235-239
Brown	26-1238-597	26-1235-598	26-1883-00

CHAMPIONSHIP TOUR EDITION POOL CLOTH

- Used by the most discriminating players
- Heavy weight 24 oz. cloth unbacked
- 70/30 Wool/Nylon blend
- 66" wide, yields all 6 rails from side cut
- Color: Tournament Green
- Sold per yard

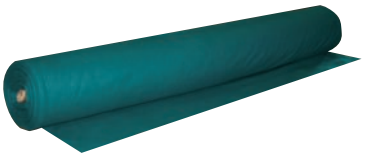
by Championship

Part Number		Price per yd.	35 yds.	70 yds.
26-1542-00	24 oz. 66" Wide Tournament Green	44.25	43.60	40.65

CHAMPIONSHIP INVITATIONAL POOL CLOTH

- 66" width yields all 6 rails from side cut
- Long wool fibers reduce pilling
- True play, semi non-directional
- Durable: 75% wool, 25% nylon
- Active shearing assures the most level playing surface
- Cloth weight is net, then backing is added for backed versions
- Available in 14 colors
- Sold per yard

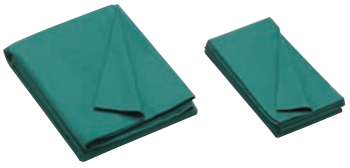
by Championship



Part Number		Price per yd.
26-1236-00	Championship Invitational Pool Cloth Unbacked, Standard Green	15.75
26-1236-36	Championship Invitational Pool Cloth Unbacked, Olive	15.25
26-1236-66	Championship Invitational Pool Cloth Unbacked, Wine	15.25
26-1236-77	Championship Invitational Pool Cloth Unbacked, Black	15.25

VALLEY TEFLON® ULTRA PRECUT POOL CLOTH BEDS

- Mercury Ultra cloth is bathed in DuPont® Teflon® before it is woven to create the only true water resistant cloth
- Perfect for your toughest locations
- Used on new Valley pool tables
- Professional playing surface plays true and fast
- Cut to the exact size specification for 7 ft. pool tables
- 75% wool, 25% nylon
- Backed cloth has special fusible backing
- Guaranteed spill proof and stain resistant
- Includes cloth for bed and 6 rails
- Rails are cut vertically from the length, not the width, for easier installation
- Color: Tournament Green



by Championship

Teflon fabric protector only by DuPont

SHIPPED UPS OVERSIZE

Part Number		Price per ea.
26-1534-317B	For 7 Ft. Table,19 oz. Backed	67.30
26-1534-317	For 7 Ft. Table,19 oz. Unbacked	61.20

Visit Our Web Site:

happ.com

for ***NEW*** Product Updates!!

CHAMPIONSHIP INVITATIONAL FAST PACK COMPLETE BED & RAIL SETS

by Championship

- Convenient - no measuring or cutting required, no rails to strip and cut, eliminates measuring and cutting errors, 100% usable...no wasted material
- Durable 19 oz. cloth plus backing, 75% wool, 25% nylon
- 100% inspected - no strings or flaws
- Fine quality poly-cotton backing enhances smooth play and long wear
- Eliminates theft
- Rails are professionally cut from bolt length, not cross cut for easier installation and more consistent rebound.
- The identical durable high-quality cloth used worldwide by major coin operated pool table manufactures.
- Improves inventory control
- Each set of bed and rails are rolled and placed within a polybag for protection
- 6 Rolls per case

Part Number		Price per ea.	L/12 (1/2 bolt)	L/24 (1 bolt)
26-1276-00	7 Ft - Green	55.15	54.10	50.50
26-1275-00	8 Ft- Green	65.65	64.60	60.30

"NOW IT'S PERSONAL"-PRINTED CLOTH BY CHAMPIONSHIP

NEW

- Add a new and unique look to any table
- Have the ability to customize your tables for any event or special promotions
- Customize your table with your own digital image or logo
- Stock images available: flags, city skylines, nature, sport venues and many more
- Cloth is #3045 un-backed 19oz Mercury Ultra cloth (Un-dyed)
- With Championship's new process you notice no difference in the play of the game
- The entire playing surface is treated, with no adverse effects to the cloth
- Speed, ball deflection and spin remain constant
- $50.00 extra charge for panoramic or custom images

Part Number		Price per ea.
26-1920-XX	"Now It's Personal" Printed cloth 7ft table (stock image)	CALL
26-1930-XX	"Now It's Personal" Printed cloth 8ft table (stock image)	CALL
26-1940-XX	"Now It's Personal" Printed cloth 9ft table (stock image)	CALL

Billiard Cloth
Mali Billiard Cloth

Mali

Freedom of Choice...

Mali Billiard Cloth

The Oldest and Largest Billiard Cloth Manufacturer in America.

Mali & Co. has set high standards on how Billiard Cloth is made. With over 175 Years of experience, we pride ourselves on our enduring knowledge of the woolen cloth market and continue to lead the industry in every aspect.

Now with thirty-six different colors and eight different styles to chose from, Mali Cloth is the ideal choice to cover any table. Trust a tradition of excellence and ask for Mali Cloth.

The Henry W.T. Mali & Co., Inc.
257 Park Avenue South New York NY 10010 Phone: 212-475-4960 Fax: 212-533-8169
Toll Free 800-223-6468 Web: www.malicloth.com E-mail: malicloth@aol.com

Mali
Billiard Cloth Colors
STANDARD GREEN 33854
DARK GREEN 10552
CANADIAN GREEN 11844
EVERGREEN 9388
SPRUCE 9730
TOURNAMENT GREEN 20448
PLUM 20391
BLACK 48005
MARINE BLUE 9391
EURO BLUE 55375
ELECTRIC BLUE 9377
DENVER BLUE 9728
CADET BLUE 9120
BLUE 9251
PURPLE 20279
OLIVE 56325
KHAKI 23517
BANKERS GRAY 9729
CHARCOAL 9108
PEWTER 9392
TEAL 24461
CAMEL 39225
TAUPE 9726
BROWN 9286
PAPRIKA 42713
COPPER 30614
CAYENNE 28305
ORANGE 45510
BRONZE 38417
GOLD 6727
CURRY 20723
MUSTARD 37521
ROSE 9387
PINK 10697
WINE 9397
BURGUNDY 9225
MAHOGANY 9422
RED 9226
SHADES WILL VARY

COIN PRO POOL CLOTH BY MALI

- Precision manufacturing at a cost effective price
- Non-Directional cloth
- 80% wool 20% nylon blend
- Color: Standard green
- Bolts are 65" in width
- Bolts average between 35-40 yards

Mali POOL TABLE CLOTH

Part Number		Price per ea.
26-2129-00	Mali Coin Pro Pool Cloth 21oz Std Green	14.95

MALI HYDRA POOL CLOTH

- Mali's latest takes games play to a new level
- 75% wool, 25% nylon
- Hard pressed finish for maximum speed and absolute uniformity
- Sheared to accurate specifications with state of the art technology
- Color: Tournament Green
- 62" wide
- Sold per yard
- 70 yards per bolt, minimum order 35 yards

Mali POOL TABLE CLOTH

Part Number		Price per yd.	35 yds.	70 yds.
26-1838-00	19 oz. Unbacked, Tournament Green	15.80	15.80	14.70
26-1839-00	19 oz. Backed, Tournament Green	23.70	22.45	21.10

MALI POOL CLOTH

- Non-directional
- Original cloth used by leading manufacturers of coin-operated pool tables
- Sold per yard
- 62" Wide

Mali POOL TABLE CLOTH

WITH BACKING		Price per yd.	35 yds.	70 yds.
26-1019-00	19 oz. Dark Green #924-200	20.70	19.90	19.10
26-1006-00	19 oz. Standard Green #924-22	18.10	17.50	16.95
26-1467-00	19 oz. Electric Blue #924-402	20.60	19.80	18.70
26-1439-00	19 oz. Red #924	22.40	21.15	20.00
26-1038-00	21 oz. Standard Green #920-22	25.65	24.50	23.70
26-1281-00	21 oz. Dark Green #920-200	23.35	23.35	21.80
26-1279-00	21 oz. Electric Blue #920-402	23.10	22.05	21.00

WITHOUT BACKING		Price per yd.	35 yds.	70 yds.
26-1044-00	19 oz. 62" Dark Green #824-200	17.90	17.85	17.25
26-1046-00	19 oz. 62" Standard Green #824-22	16.85	16.00	15.15
26-1459-00	19 oz. 62" Red #824	16.40	15.70	14.85
26-1045-00	21 oz. 62" Standard Green #820-22	18.20	17.40	16.40
26-1291-00	21 oz. 62" Dark Green #820-200	17.25	18.55	17.50
26-1329-00	21 oz. 62" Electric Blue #820-402	18.10	17.40	16.40
26-1512-00	21 oz. 62" Plum #6391	21.25	22.65	20.60

RAIL CLOTH W/O BACKING 5-1/2"(W)		Price per yd.	35 yds.	70 yds.
26-1036-99	19 oz. Standard Green	2.10	1.80	1.70
26-1422-00	19 oz. Dark Green	2.10	1.80	1.70

MALI TEFLON® HYDRA POOL CLOTH

- Mali takes it's new Hydra pool cloth and bathes it in Dupont" Teflon" to offer water and stain resistance
- Great for those tough locations
- 75% wool, 25% nylon
- Hard pressed finish for maximum speed and absolute uniformity
- Sheared to accurate specifications with state of the art technology
- Color: Tournament Green
- 62" wide
- Sold per yard
- 70 yards per bolt, minimum order 35 yards

Mali POOL TABLE CLOTH

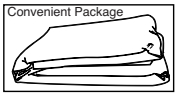
Teflon® fabric protector only by DuPont

Part Number		Price per yd.	35 yds.	70 yds.
26-1840-00	19 oz. Unbacked, Tournament Green	20.20	20.20	18.85
26-1841-00	19 oz.Backed Tournament Green	23.95	23.95	22.35

MALI PRE-CUT POOL CLOTH BEDS

- 21 oz. without backing
- 75% wool, 25% nylon
- Professionally cut for 7 ft. and 8 ft. tables
- 100% inspected – no strings
- Includes cloth for beds and 6 rails
- Lowers inventory costs
- 22 other colors available
- Conveniently packaged in a plastic bag

Mali POOL TABLE CLOTH



Size:	7' Table	8 ' Table
Price:	69.95 ea. 66.95 ea. L/6	69.05 ea. 66.10 ea. L/6
Color:	Part Number	Part Number
Standard Green	26-1615-00	26-1626-00
Dark Green	26-1613-00	26-1624-00
Charcoal	26-1606-00	26-1617-00
Cadet Blue	26-1607-00	26-1618-00
Burgundy	26-1608-00	26-1619-00
Red	26-1610-00	26-1620-00
Blue	26-1609-00	26-1621-00
Electric Blue	26-1611-00	26-1622-00
Wine	26-1612-00	26-1623-00
Purple	26-1614-00	26-1625-00

MALI 923-23 POOL CLOTH

- 19 oz. backed
- Standard Green
- Non-Directional
- Original cloth used by leading manufacturers of coin-operated pool tables
- Durable Wool / Nylon blend
- Sold per yard / minimum 45 yds.

Mali POOL TABLE CLOTH

Part Number		Price per yd.
26-1448-00	19 oz. Backed, Standard Green	18.75

3M™ SPRAY ADHESIVE

3M SPRAY ADHESIVE #74
- Quick tack in bonding most materials: cloth, wood, plastics and metal
- 23.25 fl. oz.
- 12 cans per case

3M SPRAY ADHESIVE #76
- Longer tack time – bonding in 10 minutes for a single sprayed surface, 1 hour for two coated surfaces
- Adjustable spray allows varied widths to be sprayed, eliminates spraying of too much adhesive
- 23.5 fluid oz.
- 12 cans per case

3M SPRAY ADHESIVE #77
- Will initially "grab" the material, but allows time to adjust before permanent bonding
- 23 fluid oz.
- 12 cans per case

3M SPRAY ADHESIVE #90
- Exceptional strong contact adhesive
- One minute dry time
- Adjustable spray tip allows varied widths to be sprayed
- Bonds to decorative laminates, wood, metal, plastics and many other materials

#74

#76

#77

#90

NOTE: #74, #76, #77 CANNOT BE SOLD IN THE STATE OF CALIFORNIA

Part Number		Price per ea.	L/12
29-1006-00	3M Spray Adhesive #74	18.05	16.25
29-1007-00	3M Spray Adhesive #76	22.10	19.90
29-1008-00	3M Spray Adhesive #77	17.20	15.50
29-1069-00	3M Spray Adhesive #90	23.95	21.55

BUMPER TUBE SLIP-ON RAIL CLOTH

- Fits 7 ft., 7-1/2 ft., 8 ft. table rails
- Eliminates gluing & cutting of rail cloth
- Easily installed in minutes
- 6 pieces per set

Part Number		Price per set
26-1114-00	Slip on Rail Cloth – Standard Green	32.20

HAPP SPRAY ADHESIVE

- Pressure sensitive adhesive
- Strong, instant tack
- 20 oz. can
- 12 cans per case

NOTE: CANNOT BE SOLD IN THE STATE OF CALIFORNIA

Part Number		Price per ea.	L/12
29-1017-00	Happ Spray Adhesive	8.55	7.70

BARGE CEMENT

- Great for recovering of pool tables
- Bonds clean,dry surfaces together
- Bonds many times stronger than the strength of item glued

Part Number		Price per ea.	L/12
29-1024-00	Barge Cement, 2 oz. Tube	4.90	4.40

BALLSTAR POOL BALL CLEANER & POLISHER

- The greatest ball cleaning machineto come on the U.S. market in years!
- Automatically cleans and polishes an entire set of balls in less than 2 minutes!
- Portable machine is very easy to use and maintain
- Eight blade impellers keep balls separate during the cleaning / polishing process
- Features: Three cleaning settings, simple rotary dial on / off / time switch and 150W motor
- Includes enough cleaner / polishing solution for 500 cycles

Part Number	Description	Price per ea.
26-1561-00	Ballstar Pool Ball Cleaner & Polisher	449.99
26-1562-00	Ballstar Cleaner & Polish	19.45

WILDCAT POOL BALL CLEANER

- Specially designed to clean and polish billiard balls
- WIll help retard the deterioration of cloth by keeping billiard balls clean
- Ideal for use by hand or machine
- Cleans and polishes billiard balls in 1 step
- 16 oz. bottle
- 12 per case

Part Number		Price per ea.	L/12
26-1263-00	PBC-15 Pool Ball Cleaner	14.30	12.85

BELGIAN ARAMITH BALLS

Belgian "Premier"
Pool Ball Set

Belgian "Crown Deluxe"
Pool Ball Set

Belgian "Crown Standard"
Pool Ball Set

Belgian "Bumper"
Pool Ball Set

Saluc S.A. Belgium is the world's largest manufacturer of Pool, Snooker and Carom balls exported worldwide under the **"ARAMITH"** brand name.

The Molecular structures have been engineered to bring players all the characteristics to optimize their play while lengthening ball and cloth life. The mechanical and the exceptional heat resistance of the Aramith resin avoid rub marks more than any other ball, keeping the glossy polish to the ball for a much longer time. Precision grinding technology guarantees high consistent tolerance and sphericity throughout each Aramith balls set. This together with computerized color formulations and meticulously CNC engraved ball numbers result in beautifully crafted billiard balls.

The **"Belgian Aramith Billiard Balls"** is for almost half a century an ambassador and signature for true and unequaled quality.

Part Number		Price per set	L/6
26-1445-00	Belgian "Super Aramith Pro" Set with 2-1/4" Cue Ball	154.45	144.15
26-1106-00	Belgian "Premier" Set with 2-1/4" Cue Ball	82.35	77.20
26-1028-00B	Belgian "Crown Standard" Set with 2-1/4" Cue Ball	51.45	47.35
26-1028-001B	Belgian "Crown Standard" Set with 2-3/8" Cue Ball	72.00	60.00
26-1069-00	Belgian "Bumper" Set	28.40	27.35

BLACK LIGHT BILLIARD BALL SET

- Genuine Belgian cast Phenolic fluorescent balls
- World's finest top quality billiard balls for true play
- Regulation size 2-1/4" ARAMITH balls
- Add excitement and dollars with this great new look
- Get a whole new dimension in billiard play

Part Number		Price per set
26-1516-00	Black Light Billiard Ball Set	189.95

BELGIAN CAMOUFLAGE BILLIARD BALL SET

- Manufactured be Saluc S.A.
- Belgian ball sets are the world's finest billiard ball set for true play
- Made from Belgian cast phenolic resin
- Set features a beautiful up-to-date camo design

Part Number		Price per ea.
26-0550-00	Camouflage Ball Set	91.99

- World's finest top quality billiard balls for true play
- Genuine Belgian cast Phenolic

aramith®

BELGIAN ARAMITH BALLS

BELGIAN ARAMITH REPLACEMENT BALLS

Part Number		Price per ea.	L/16
26-1027-01B	Belgian 2-1/4" #1 Ball	4.95	4.75
26-1027-02B	Belgian 2-1/4" #2 Ball	4.95	4.75
26-1027-03B	Belgian 2-1/4" #3 Ball	4.95	4.75
26-1027-04B	Belgian 2-1/4" #4 Ball	4.95	4.75
26-1027-05B	Belgian 2-1/4" #5 Ball	4.95	4.75
26-1027-06B	Belgian 2-1/4" #6 Ball	4.95	4.75
26-1027-07B	Belgian 2-1/4" #7 Ball	4.95	4.75
26-1027-08B	Belgian 2-1/4" #8 Ball	6.10	4.95
26-1027-09B	Belgian 2-1/4" #9 Ball	6.85	6.55
26-1027-10B	Belgian 2-1/4" #10 Ball	6.85	6.55
26-1027-11B	Belgian 2-1/4" #11 Ball	6.85	6.55
26-1027-12B	Belgian 2-1/4" #12 Ball	6.85	6.55
26-1027-13B	Belgian 2-1/4" #13 Ball	6.85	6.55
26-1027-14B	Belgian 2-1/4" #14 Ball	6.85	6.55
26-1027-15B	Belgian 2-1/4" #15 Ball	6.85	6.55
26-1274-00	Belgian 2-3/4" #8 Ball	7.40	7.15

BELGIAN "STONE BALL" BILLIARD BALL SET

- Manufactured by Saluc S. A.
- World's finest billiard balls for true play
- Genuine Belgian cast phenolic
- These balls seem to come from the flintstone age
- Adds a very attractive dimension to your billiard table
- Includes a 2-1/4" cue ball

Part Number		Price per ea.
26-1803-00	Belgian "Stone Ball" Billiard Ball Set	87.50

PROFESSIONAL POOL BALL SETS

- Extreme workmanship is used within these high quality Polyester Resin Billiard Ball Sets.
- Close attention is paid to the color process to ensure consistent color
- The number is inlaid on both sides of the ball and the color is specially treated to prevent wear after the heaviest of table play.
- Number in strip, 9-15 balls
- Balls have a high professional high glossy finish.
- Weight, Hardness and Roundness of balls all meet international billiards standards
- Various types of sets available

Part Number		Price per set	L/6	L/12
26-0116-00	Professional Ball Set W/ Large Numbers 2-1/4" Cue Ball	26.99	24.99	22.99
26-1017-00	Ball Set W/ 2-1/4" Cue Ball	27.80	25.75	23.70
26-1017-10	Ball Set W/ 2-3/8" Cue Ball	27.75	24.95	22.85
26-2116-00	Ball Set W/ 2-1/4" Magnetic Cue Ball	29.20	26.85	25.10
26-1017-88	Ball Set W/ Twin 8 Balls	30.25	27.30	22.85

REPLACEMENT BALLS

Part Number		Price per set	L/16
26-1027-01E	Replacement 2-1/4" #1 Ball	3.45	2.70
26-1027-02E	Replacement 2-1/4" #2 Ball	3.45	2.70
26-1027-03E	Replacement 2-1/4" #3 Ball	3.45	2.70
26-1027-04E	Replacement 2-1/4" #4 Ball	3.45	2.70
26-1027-05E	Replacement 2-1/4" #5 Ball	3.45	2.70
26-1027-06E	Replacement 2-1/4" #6 Ball	3.45	2.70
26-1027-07E	Replacement 2-1/4" #7 Ball	3.45	2.70
26-1016-00	Replacement 2-1/4" #8 Ball	3.45	2.75
26-1027-09E	Replacement 2-1/4" #9 Ball	3.70	2.95
26-1027-10E	Replacement 2-1/4" #10 Ball	3.75	2.95
26-1027-11E	Replacement 2-1/4" #11 Ball	3.75	2.95
26-1027-12E	Replacement 2-1/4" #12 Ball	3.75	2.95
26-1027-13E	Replacement 2-1/4" #13 Ball	3.75	2.95
26-1027-14E	Replacement 2-1/4" #14 Ball	3.75	2.95
26-1027-15E	Replacement 2-1/4" #15 Ball	3.75	2.95

PLASTIC POOL BALL RACKS

- Heavy duty, high impact black plastic
- Curved bottom slides over pool cloth easily, preventing rips and snags in the cloth

Part Number		Price per ea.	L/12
26-1011-00	15 Ball Plastic Triangle Rack	1.30	1.30
26-1004-00	9 Ball Plastic Rack	2.05	2.05

WOOD POOL BALL RACKS

- Attractive wood racks
- Great for home or bar locations

Part Number		Price per ea.	L/12
26-1076-00	15 Ball Wood Triangle Rack	6.85	6.85
26-1400-00	15 Ball Wood Triangle Rack w/Gliders	8.40	8.40
26-1004-99	9 Ball Wood Rack	2.75	2.75

2-1/4" STANDARD POOL BALL SETS

NEW

- Ideal for coin-op or home use
- Competitive price point
- Number in stripe, 9-15 balls
- Balls have a high gloss finish
- Available sets come with either 2-1/4" cue ball, 2-1/4" magnetic cue ball, 2-3/8" cue ball or double #8 ball
- Sets are made from polycarbonate/polyester resin

Part Number		Price per ea.
26-2002-00	Standard Pool Ball Set with 2-1/4" Cue Ball	15.10
26-2002-01	Standard Pool Ball Set with 2-1/4" Cue Ball	15.10
26-2002-02	Standard Pool Ball Set with 2-1/4" Magnetic Cue Ball	16.95
26-2002-03	Standard Pool Ball Set with Two #8-Balls	15.10

REPLACEMENT CUE BALLS

- Top quality
- Various types available

Part Number		Price per ea.
26-1025-00	Universal "B" 2-1/4" Cue Ball	8.50
26-1473-00	Economy 2-1/4 Magnetic Cue Ball	6.15
26-1032-10	"New" Valley/Dynamo Magnetic Cue Ball Ref. No. 209-0005-5	17.50
26-1033-00	Belgian 2-1/4" Cue Ball	5.15
26-1034-00	Belgian 2-3/8 Cue Ball	4.60
26-1056-02	Belgian Orange Dot 2-1/4" Heavy Weight Cue Ball for Dynamo	11.90
26-1056-00	Belgian Green Dot 2-1/4" Cue ball f/Dynamo (Heavy Weight/Magnetic Combo)	21.50
26-1304-00	Economy 2-1/4" Cue Ball	4.25
26-1304-01	Economy 2-3/8" Cue Ball	3.85
26-2004-214	Standard 2-1/4" Cue Ball	2.85
26-2004-238	Standard 2-3/8" Cue Ball	3.25
26-2004-MAG	Standard 2-1/4" Magnetic Cue Ball	3.05

PROFESSIONAL 8 BALL

- Top quality
- 2-1/4" size
- Most commonly replaced billiard ball

Part Number		Price per ea.	L/16
26-1016-00	Professional 8 Ball	3.45	2.75

STANDARD 8 BALL

NEW

- Size – 2-1/4"
- Most commonly replaced billiard ball

Part Number		Price per ea.
26-2004-08	Standard 8 Ball	2.65

PLASTIC POOL BALL TRAY

- Holds 15 pool balls plus cue ball
- Made of high impact, black plastic
- Stands up to the toughest of locations

Part Number		Price per ea.	L/12
26-1071-00	Plastic Pool Ball Tray	1.60	1.50

POOL TABLE BRUSH

- Top quality pool table brush with nylon bristles
- Natural finish with flared bristles on ends for easy cleaning under rails
- Various sizes available
- 12 per box

Part Number		Price per ea.	L/12
26-1018-00	9" Pool Table Brush	3.05	2.85
26-1344-00	10-1/2" Pool Table Brush	4.25	3.75

RAIL BRUSH

- Helps clean under and around rails
- 8-1/2" long

Part Number		Price per ea.
26-1335-00	Rail Brush	1.95

COMBINATION POOL TABLE AND RAIL BRUSH

- 8-1/2" long
- Unique combination pool table and rail brush
- Quality nylon bristles
- Wood handle
- Cherry stain

Part Number		Price per ea.
26-1680-00	Combination Brush	6.45

TEFCO MASTER TABLE SPOTS

- Self adhering and double gummed
- Sold as full tin only
- 12 spots per tin
- Black with white center dot
- 1-5/16" diameter

Part Number		Price per tin	L/12
26-1131-00	Tefco Pool Table Spots	1.65	1.40

DELUXE POOL TABLE SPOTS

- Pressure sensitive
- 100 per roll
- Black with white center dot
- 1-1/2" diameter

Part Number		Price per roll	L/3
26-1090-00	Deluxe Pool Table Spots (Roll of 100)	5.10	4.75

WILDCAT FELT CLEANER

- Pool cloth cleaner; also great for Black-Jack, Craps & other games with felt cloth coverings
- Heavy duty cleaner designed for dirty surfaces
- No rinsing needed
- Also cleans metal, plastic, wood & painted surfaces
- 20 oz. aerosol can
- 12 per case

Part Number		Price per ea.	L/12
29-1001-00	APC-30 Felt Cleaner	14.30	12.85

SCOT'S CITRUS CLEAN REMOVER

- Dissolves tape, tar, gum, permanent marker, glue, grease and more
- Removes chewing gum, price stickers, lipstick, tape residue, crayon, oil, and more
- Water-based non-oily formula contains no petroleum distillates
- Great for use on video games, vending machines and slot machines
- Clean smelling citrus scent
- 8 fl. oz. bottle
- Packed 6 per case

Part Number		Price per ea.	L/12
29-0237-00	Scot's Citrus Clean	6.80	6.10

GUARDIAN DOOR HASP FOR VALLEY GREAT EIGHT POOL TABLE

NEW

- Prevent theft and damage to your pool table
- Designed to work specifically on the Valley Great Eight Pool Table
- Hasp features thick 7-Gauge Steel construction with a black wrinkle powder coat finish
- Includes welded padlock cover for added protection
- Unique design requires no drilling, mounts directly to the cabinet
- All Hardware Included

GUARDIAN

Part Number		Price per ea.
30-0053-S106	Guardian Door Hasp For Valley Great Eight Pool Table	59.95

48" DELUXE 3 LAMP GREEN SHADE BILLIARD LIGHT

- Includes three 14" shades (Green Plastic)
- Traditional green shades add class to any location
- Mounting hardware includes: 6 ft. chain, wire and plug
- Made in the U.S.A.
- Some assembly required
- Bulbs sold separately

Part Number		Price per ea.
26-1001-00	48" Deluxe 3 Lamp Green Shade Billiard Light	78.80
26-1001-16	48" Deluxe 3 Lamp Black Shade Billiard Light	90.85
91-3060-00	60 Watt Incandescent Bulb for Billiard Light	1.20

LAMP SHADES

- Individual shade sold separately
- Tough, durable plastic or brass
- Translucent

Part Number		Price per ea.	L/12
26-1052-00	Green -Opaque	10.55	10.55
26-1471-00	Dark Blue -Opaque	11.60	11.60
26-1472-00	Light Blue -Opaque	10.05	9.45
26-1052-10	Red - Opaque	12.35	11.60
26-1052-16	Black-Opaque	10.30	9.75
26-1463-00	Cream - Opaque	10.05	9.45
26-1109-00	Solid Green - Opaque	10.55	10.55
26-1110-00	Ribbed Standard Green - Translucent	20.55	19.55
26-1261-00	Brass	32.95	32.95
26-1052-100	Burgundy - Translucent	21.05	21.05
26-1052-10R	Red, Ribbed, Opaque	22.25	21.00

48" DELUXE BRASS SHADE BILLIARD LIGHT

- Includes 14" brass shades
- Brass shades add a "touch of class" to any location
- Mounting hardware includes: 6 ft. chain, wire and plug
- Made in the U.S.A.
- Some assembly required
- Bulbs sold separately

Part Number		Price per ea.
26-1001-00BR	Deluxe 3 Lamp Brass Shade Billiard Light	175.10
91-3060-00	60 Watt Incadescent Bulb for Billiard Light	1.20

36" TWIN BILLIARD SHADE

- Simulated leaded-glass styling
- Multi-color design
- Made of reinforced fiberglass
- Size: 33"L x 18"W x 10"D
- Includes all wiring and mounting hardware

Part Number		Price per ea.
26-1419-10	36" Twin Billiard Shade	77.35

We have over 50 salespeople to help you get the right parts and supplies you need!
Call 888-BUY-HAPP
LOCATE A SALES REP NEAR YOU!
HAPP®

BLACK LIGHT POOL TABLE KIT

- Add excitement and dollars with this great new look
- Includes:
  - 4 yds. 21 oz. black cloth
  - 1 yd. fluorescent blue cloth
  - 1 set Belgian Premier fluorescent balls
  - 1 set fluorescent pocket liners
  - 1 fluorescent triangle
  - charcoal chalk

Part Number		Price per ea.
26-1508-00	Black Light Pool Table Kit	355.35
26-1744-00	Replacement Cue Ball	46.80
26-1516-00	Black Light Ball Set	189.95

CUE TOP SANDER

- Gives a perfectly flat base for gluing leather tips
- Quickly sands down old glue and wood cue

Part Number		Price per ea.
26-1103-00	Cue Top Sander	6.05
26-1102-00	Garnet Disk for Cut Top Sander	1.35

CUE TIP CEMENT

- Great for attaching leather cue tips to cue stick
- Will not harm leather tip
- Small size makes it easy to carry around for those "on the spot" repairs

Part Number		Price per ea.	L/12
26-1107-00	Cue Tip Cement, by Tweeten	3.25	2.70

CUE TIP REPAIR CLAMPS

- Used to repair tips on cue sticks
- Heavy duty

Part Number		Price per ea.	L/24
26-1077-00	Aluminum Cue Tip Repair Clamp	1.55	1.15
26-1340-00	Bronze Cue Tip Repair Clamp	1.55	1.35

CUE TIP REPAIR KIT

- Contains: Leather cue tip, cement, spots, mending tissue, cue tip trimmer, cue tip clamp and chalk.
- Manufactured by Tweeten

Part Number		Price per ea.
26-1268-00	Cue Tip Repair Kit	11.10

ASSORTED SLIP-ON CUE TIPS & SLEEVES

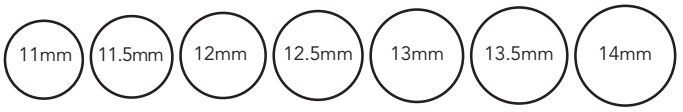
- No adhesives or clamps needed
- High-grade leather tip with sleeve fits right over the old ferrule
- Box of 100 assorted contains:
  (10) 11 mm (10) 11.5 mm
  (25) 13.5 mm (10) 12 mm
  (10) 14 mm (10) 12.5 mm
  (25) 13 mm

Part Number		Price per box
26-1583-00	Assorted Slip-On Cue Tips & Sleeves	11.20

SLIP-ON CUE TIP AND SLEEVE

- No adhesives or clamps needed
- High grade leather tip w/ sleeve fits right over the old ferrule
- 100 per box

Part Number		Price per box
26-1053-00	11 mm	8.20
26-1050-00	11.5 mm	8.20
26-1030-00	12 mm	8.20
26-1031-00	12.5 mm	8.20
26-1029-00	13 mm	9.95
26-1039-00	13.5 mm	8.20
26-1117-00	14 mm	8.20



CUE TIP SIZE CHART

Illustrations are actual size. Simply place tip to be replaced over illustration to determine the correct size to order.

FERRULES

- White hard rod fiber
- Available in Glue on or Screw on types
- Minimum order 10

Part Number	Size	Type	Color	Price per ea.	L/100
26-1240-00	12mm	Glue on	White	.32	.27
26-1241-00	13mm	Glue on	White	.36	.32

LEATHER CUE TIPS

- Top quality leather tips
- Packed 50 per box

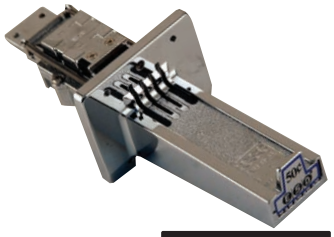
Elk Master

Le Pro

Part Number		Price per box
26-1073-11	Elk Master 11mm	19.55
26-1073-12	Elk Master 12mm	20.55
26-1073-13	Elk Master 13mm	20.55
26-1073-14	Elk Master 14mm	20.55
26-1072-11	Le Pro 11mm	24.95
26-1072-12	Le Pro 12mm	17.50
26-1072-13	Le Pro 13mm	20.55
26-1072-14	Le Pro 14mm	23.65

E.S.D. COIN CHUTE

E.S.D. VERTICAL 4™



- Vertical 4 Coin acceptance
- All steel security gate with solid metal bridge
- Instant price changes 0 - $1.00 up and down pricing in seconds without disassembly
- Exclusive dual return springs allow for smoother operating
- Fits all existing extensions and machines
- Great for most pool tables and other games
- Universal mounting centers
- Durable metal casting with high polish Chrome finish
- Various factory pre-set versions to fit your needs

Part Number	Type	Coin(s) Accepted	Pre-Set At	Vend Price	Price per ea.	L/10	L/20
26-1012-00	Vertical 4	$0.25 US	2 Coins	$0.50	28.35	28.00	25.80
26-1013-00	Vertical 4	$0.25 US	3 Coins	$0.75	28.35	28.00	25.80
42-3163-00	Vertical 4	$0.25 US	4 Coins	$1.00	30.55	30.55	28.00
26-1122-00	Vertical 4	.900 Token	2 Tokens	2 Tokens	37.05	36.75	33.90

E.S.D. VERTICAL 5™

- Vertical 5 Coin acceptance
- Easily adapts to token operation
- Rugged heavy duty design
- Better vandalism protection, Second gate in bridge to eliminate taping
- Fits all Canadian and US Machines $1.00 to $4.25
- Fits all existing extensions and machines
- One step price changes up or down in seconds without disassembly
- Exclusive dual return springs allow for smoother operating
- Durable metal casting with high polish Chrome finish
- Various factory pre-set versions to fit your needs

Part Number	Type	Coin(s) Accepted	Pre-Set At	Vend Price	Price per ea.	L/10	L/20
26-1148-50	Vertical 5	$0.25 US	2 Coins	$0.50	31.70	31.50	29.05
26-1148-75	Vertical 5	$0.25 US	3 Coins	$0.75	31.70	31.20	29.05
42-3167-00	Vertical 5	$0.25 US	4 Coins	$1.00	31.70	31.50	29.05
26-1589-00	Vertical 5	$0.25 & $1.00	5 Coins	$2.00	36.25	35.70	33.00
42-3166-00	Vertical 5	.900" Token	2 Tokens	2 Tokens	39.25	39.25	36.20
26-1267-00	Vertical 5	.984" Token	1 Token	1 Token	39.00	38.50	35.50
26-1267-004	Vertical 5	.984" Token	4 Tokens	4 Tokens	39.00	38.50	35.50
26-1148-00	Vertical 5	1" Token	3 Tokens	3 Tokens	39.95	39.25	36.20

E.S.D. VERTICAL 8™

- Vertical 8 Coin acceptance
- All steel security gate and solid metal bridge
- Instant price changes, 0 - $2.00 up and down pricing
- One step price changes up or down in seconds w/o disassembly
- Rugged heavy duty design
- Fits all existing extensions and machines
- Durable metal casting with high polish Chrome finish
- Various factory pre-set versions to fit your needs

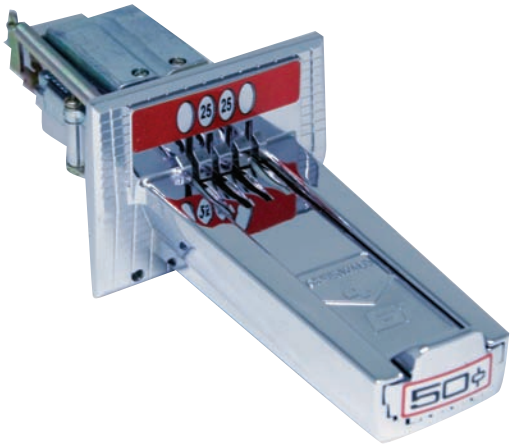
Part Number	Type	Coin(s) Accepted	Pre-Set At	Vend Price	Price per ea.	L/10	L/20
42-3187-10	Vertical 8	$0.25 US	4 Coins	$1.00	35.55	35.00	32.30
42-3187-00	Vertical 8	$0.25 US	6 Coins	$1.50	35.55	35.00	32.30
26-1145-00	Vertical 8	$0.25 US	8 Coins	$2.00	35.55	35.00	32.20

E.S.D. SPARE PARTS

Part Number	ESD Part No.	Description	Price per ea.
26-1539-00	20065	Ratchet Spring	1.05
20185	20185	Location Screw	.28
20662	20662	Bridge Insert Screw	.28
26-1024-00	20706	Blank Insert Gray	.90
20736	20736	Drive Screw	.28
20741	20741	Insert Screw	.28
20781	20781	.030 Shim for .900 token	.28
20782	20782	Spring Bracket #4	1.85
20964	20964	Slide Return Spring vertical 4	.75
26-21887	21187	Bridge for Coin Chute	18.45
21193	21193	.25 Cent Insert	1.75
21195	21195	Token Insert for .882 token	5.20
21209	21209	Insert Retainer Plate Screw	.28
21216	21216	Blank Insert	.93

Part Number	ESD Part No.	Description	Price per ea.
21752	21752	Handle Only	16.70
21754	21754	Retainer Plate	1.45
21771	21771	Return Spring	2.15
21811	21811	End Insert for .984 Token	5.25
21831	21831	Bridge New Vertical 4	12.40
21868	21868	Gate Retainer	2.10
26-1590-00	5032	Ratchet Screw V4, 5 & 8	.34
21745-1	21745-1	Bridge Assembly	11.75
42-3168-00	4D100	Decal $ 1.00	2.15
26-1058-00	4D50	Label Insert $ .50	.46
26-1057-00	4D75	Label Insert $ .75	.35
42-3159-00	5D125	Decal $ 1.25	.46
42-3158-00	5D150	Decal $ 1.50	.46

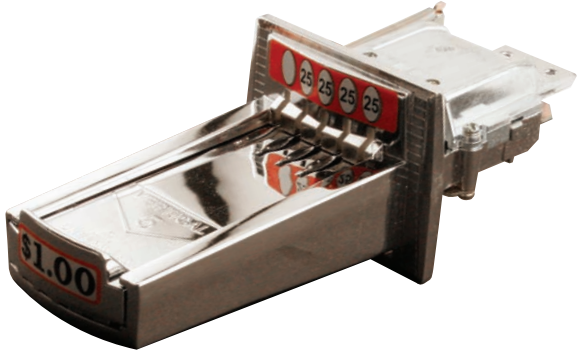
GREENWALD G-4 COIN CHUTE



- 1/2" Front mounting plate to protect chute from direct attack, thickest front plate in the industry
- Stainless steel gate provides superior rust protection
- Hardened steel, V-Notch coin sizing block to allow for greater rejection of slugs, tile and foreign coins than ordinary design
- Stainless steel sizing dogs provide superior protection from direct slide forcing
- Hardened steel slide buffer plate works with steel dogs to give ultimate protection from the side attack
- Hardened steel ratchet dog to give ultimate protection from direct, physical attack
- Quick, easy change of prices, simply remove, don't change parts to increase vend price
- 24 ways to go from 0 to $5.00 using nickels, dimes, quarters and $1.00 Canadian
- Available in various token configurations

Part Number	Accepted	Coin(s) Pre-Set At	Vend Price	Price per ea.	L/15
TYPE: G-4					
26-1504-50	$0.25 US	2 Coins	$.50	41.45	37.50
26-1504-75	$0.25 US	3 Coins	$.75	33.15	30.60

GREENWALD VERTICAL 5 COIN CHUTE



- 1/2" Front mounting plate to protect chute from direct attack, thickest front plate in the industry
- Stainless steel gate provides superior rust protection
- Hardened steel, V-Notch coin sizing block to allow for greater rejection of slugs, tile and foreign coins than ordinary design
- Stainless steel sizing dogs provide superior protection from direct slide forcing
- Hardened steel slide buffer plate works with steel dogs to give ultimate protection from the side attack
- Hardened steel ratchet dog to give ultimate protection from direct, physical attack
- Quick, easy change of prices, simply remove, don't change parts to increase vend price
- 24 ways to go from 0 to $5.00 using nickels, dimes, quarters and $1.00 Canadian
- Available in various token configurations

Part Number	Accepted	Coin(s) Pre-Set At	Vend Price	Price per ea.	L/15
TYPE: VERTICAL 5					
26-1505-75	$0.25 US	3 Coins	$.75	43.95	39.80
26-1505-100	$0.25 US	4 Coins	$1.00	45.20	40.95
26-1505-100C	$1.00 Canadian	1 Coin	$1.00	52.65	47.80

GREENWALD SPARE PARTS

Part Number		Price per ea.
27-1243-00	Blockout Key for V-5	1.80
27-1244-00	Spring for Slide Return for V-4, V-5	1.05
26-1523-00	Coin Slide for V-5	31.70

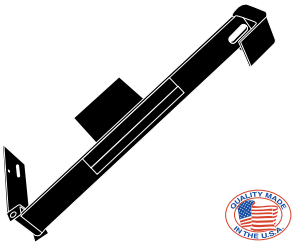
HASP FOR VALLEY POOL TABLE

- Heavy duty
- Designed for Valley tables
- Can be adapted to other tables
- Color: Black
- Includes hardware and instructions
- Made in the USA

Part Number		Price per ea.
30-0028-00	Hasp for Valley Pool Tables	24.65

HASP FOR DYNAMO POOL TABLES

- Heavy duty - 3/16" x 1-1/2" wide
- Color: black
- For use on Dynamo pool tables
- Includes hardware and instructions



Part Number		Price per ea.
26-1158-00	Hasp for Dynamo Pool Tables	31.00

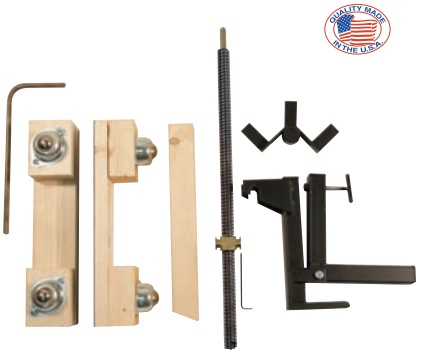
POOL TABLE MINI-MOVER

- Easily moves pool table from location to location
- Fits virtually all pool tables and air hockey tables, even those with trustle legs
- Adjusts easily for different widths and lengths
- Specially angled to balance load over wheels
- Two will fit side by side in a pickup truck
- Both the mover and pool table can fit on an extended pickup liftgate
- Strong clamps hold table securely in place
- Rated at 1000 lb. test
- Built tough in the USA
- Size: 35" x 22" x 12"; weighs 42 lbs.

Part Number		Price per ea.
33-1208-00	Pool Table Mini-Mover	373.15

SLATE LIFTER KIT

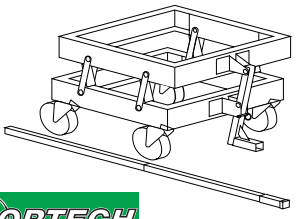
- Safely lifts and rotates the slate to come to you while recovering
- Allows 1 person to recover a pool table
- Simple, but clever, design makes this kit very easy to use
- Includes instructional video tape if further instruction is necessary



Part Number		Price per ea.
33-1059-00	Slate Lifter Kit	309.85

EASY-LIFT POOL TABLE MOVER

- Allows 1 person to easily move a pool table
- Reduces risk of back injury
- Lifts table 3"
- **Extremely heavy duty 5" casters**
- 56 lbs. weight allows shipping by UPS



Part Number		Price per ea.
33-1058-00	Easy-Lift Pool Table Mover	370.80

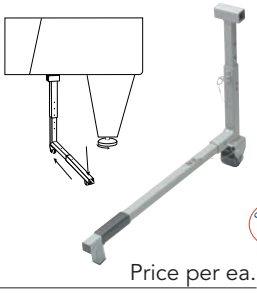
U-LIFT POOL TABLE MOVER

- Allows 1 person to move a pool table
- Reduces risk of back injury
- Heavy duty casters
- UPS shippable

Part Number		Price per ea.
33-1005-00	U-Lift Pool Table Mover with Handle	253.15
33-1202-00	Handle Only	51.65

EASY LEVELER

- Easily lifts a pool table or air hockey game off the floor to adjust the leg levelers
- Simply place at the end of the table and press down. Lifts 2 legs off the floor.
- Save your back and raise the table the easy way



Part Number		Price per ea.
26-1100-00	Easy Leveler	49.00

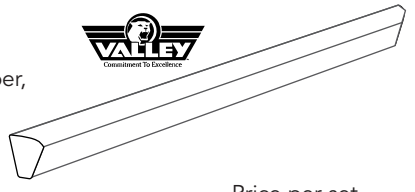
CUSHION RUBBER

- For use on pool table rails
- Used by leading manufacturers
- Formulated with the highest grade natural rubber and compounds
- 6 rails per set

Part Number		Price per set
26-1084-00	Cushion Rubber, 42" for Valley 8 ft. Table	48.40
26-1088-00	Cushion Rubber, 36" for 7 ft. Table, "K66" Style	41.00
26-1087-00	Cushion Rubber, 42" for 8 ft. Table, "K66" Style	48.40
26-1086-00	Cushion Rubber, 47" for 9 ft. Table, "K66" Style	56.75
26-1085-00	Cushion Rubber, 42" for All Tables, "U23" Style	24.75

CUSHION RAIL SET

- For use on Valley tables
- Finished rails; includes rubber, wood and green cloth
- 6 rails per set



Part Number	Description	Price per set
26-1068-10	88" Table Cushion Rail Set	234.20
CPBZQCRA3	93" Table Cushion Rail Set	229.55

T-NUT

- For Rail Screws on Valley Pool Tables
- 1/4 – 20 thread
- Valley Ref. # 203-0009-0
- Minimum order 10 pieces

Part Number		Price per ea.
43-0486-00	T-Nut for Valley Pool Tables	.29

HINGEBAR (BALLGATE) SPRING

- For Valley Pool Tables
- Valley Ref. # 217-0012-0

Part Number		Price per ea.
217-0012-0	Hingebar (BallGate) Spring	2.30

COIN CHUTE BRACKET

- For Valley Pool Tables
- Valley Ref. # 206-0004-0 – Short 5"
- Valley Ref. # 206-0004-3 – Long 6-1/2"

Part Number		Price per ea.
26-1092-00	Coin Chute Bracket – Short	8.80
26-1093-00	Coin Chute Bracket – Long	6.60

COUNTING METER, BY KESSLER ELLIS

- Electric, non-resettable counter
- 6 digit, counts to 999,999, then repeats
- 600 counts per minute
- With mounting bracket
- Without diode
- 10" wire leads

Part Number		Price per ea.	L/24
42-1168-00	Counting Meter	6.15	5.80

POOL TABLE LEG LEVELER

- Heavy duty die cast assembly
- 4-7/8" base
- 1-3/4" Long shank
- 1/2-13 thread size
- Sold each

Part Number		Price per ea.	L/12
49-0997-00	Pool Table Leg Leveler	8.25	6.95

POOL TABLE COVERS

- Pool cover adds years to the life of the cloth
- Various sizes and colors available

Part Number		Price per ea.
26-1061-00	Pool Table Cover, 7 ft. & 8 ft., Clear Vinyl	6.15
26-1143-00	Pool Table Cover, 7 ft., 8 ft. and 9 ft. Tables, Green Vinyl	6.20
26-1552-00	Pool Table, 8 ft., Brown Vinyl	6.00
26-1848-00	Pool Table Cover, 7 ft., 8 ft. and 9 ft. Tables, Heavy Duty PVC Vinyl - Black	24.95
26-1849-00	Pool Table Cover, 7 ft., 8 ft. and 9 ft. Tables, Heavy Duty PVC Vinyl - Brown	23.60

PEA SHAKER AND PEA'S

- Pea shaker is made of tough, durable plastic for the roughest use
- Red & white deluxe pea's are the finest quality composition, with red enameled inlaid numbers
- The red standard pea's are a top grade plastic with white inlaid numbers

Part Number		Price per ea.
26-1060-00	Standard Pea's, Set of 16	1.05
26-1059-00	Deluxe Pea's, Set of 16	2.15
26-1062-00	Pea Shaker	.98

QUARTER COIN HOLDER

- Eliminates the question of "who's next" in the game
- Holds up to 8 coins
- Extra strong plastic includes a double-sided, pressure sensitive tape for easy mounting anywhere

Part Number		Price per ea.	L/25
26-1065-00	Quarter Coin Holder	3.05	2.65

POOL TABLE LEG LEVELER

- Heavy-Duty die cast assembly
- Rubber molding around base to prevent floor marring
- 6" diameter base
- 2" long shank
- 1/2"-20 thread size
- 4 per set
- Includes threaded base plate

Part Number		Price per ea.
49-0997-01	Set of 4 Pool Table Leg Leveler	13.35
49-0997-02	Individual Pool Table Leg Leveler	4.35

SILVER CUP CUE CHALK

- Strong, hard chalk grips cue tip for more accurate shooting
- Quickly becoming the worlds favorite chalk
- Available in boxes of 12 or 144

Part Number	Box Quantity	Color	Price per box	L/60
26-1051-12B	12	Blue	1.75	1.50
26-1051-12G	12	Green	1.75	1.50
26-1051-12BK	12	Black	1.95	1.70
26-1051-12BUR	12	Burgundy	1.95	1.70
26-1051-12PW	12	Pewter	1.95	1.70
26-1051-12PR	12	Purple	1.95	1.70
26-1051-12R	12	Red	1.95	1.70
26-1051-12TN	12	Tan	1.95	1.70

Part Number	Box Quantity	Color	Price per box	L/5
26-1051-144B	144	Blue	14.70	13.65
26-1051-144G	144	Green	14.70	13.65
26-1051-144BUR	144	Burgundy	17.85	17.53
26-1051-144R	144	Red	17.85	16.80
26-1051-144TN	144	Tan	17.85	16.80
26-1051-144BK	144	Black	17.85	16.80

NATIONAL CUE CHALK

- Top quality pool cue chalk
- Durable chalk stays on cues longer
- Available in boxes of 12 or 144

Part Number	Box Quantity	Color	Price per box	L/60
26-1010-12B	12	Blue	1.40	1.30
26-1010-12G	12	Green	1.50	1.40

Part Number	Box Quantity	Color	Price per box	L/5
26-1010-144B	144	Blue	14.40	13.35
26-1010-144G	144	Green	13.15	12.35

MASTER CUE CHALK

- Coats cue tips smoothly and evenly
- Traditionally one of the most popular chalks
- Available in boxes of 12 or 144

Part Number	Box Quantity	Color	Price per box	L/60
26-1023-12B	12	Blue	2.15	2.05
26-1023-12G	12	Green	2.15	2.05
26-1023-12R	12	Red	2.35	2.25

Part Number	Box Quantity	Color	Price per box	L/5
26-1023-144B	144	Blue	18.80	18.60
26-1023-144G	144	Green	18.80	18.60
26-1023-144R	144	Red	21.65	21.40

SILVER CUP CONE CHALK

- Made in U.S.A.
- Hard texture cuts down on the breakage and adds life at the site location
- Standard size to fit all mount holders
- Packed 6 per case
- Minimum order 6 pieces

Part Number		Price per ea.	L/18
26-1000-00	Silver Cup Cone Chalk	2.40	2.10

METAL CONE CHALK HOLDER

- Heavy duty metal withstands the toughest of locations
- Black durable paint
- Wall mount
- Made in the USA

Part Number		Price per ea.
26-1048-00	Heavy Duty Cone Chalk Holder	10.30

WOOD CONE CHALK HOLDER

- Durable hardwood construction
- Walnut finish
- Wall mount

Part Number		Price per ea.
26-1401-00	Wood Cone Chalk Holder	7.20

TALCUM DISPENSER

- Mounts on wall with bracket provided
- Helps keep talcum away from the pool table, saving the cloth
- Available in both durable plastic and aluminum

Part Number		Price per ea.	L/12
26-1133-00	Talcum Dispenser, Aluminum	5.20	4.90

SILVER CUP PREMIUM TALC POWDER

- 13 oz. Plastic shaker style container
- Economical
- Screw-on top

Part Number		Price per ea.	L/12
26-1139-00	Silver Cup Premium Talc Powder	2.35	2.20

CUE CHALK HOLDER

- Rubber holder protects chalk from being damaged
- Permanently attached string reduces losing or stealing of chalk

Part Number		Price per ea.
26-1063-00	Cue Chalk Holder	.84

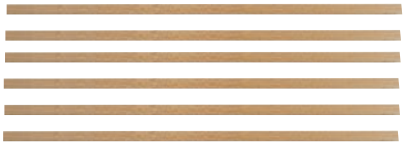
SMOOTH SHOT HAND & CUE CONDITIONER

- Condition hand and cue stick for smooth strokes
- No chalky mess
- Individual packets in a plastic bag
- 12 bags per display card

Part Number		Price per ea.
26-1351-00	Smooth Shot Hand & Cue Conditioner	2.25

FEATHERSTRIP SET

- 1/4" x 1/4" wood strips
- 6 piece set
- 9 feet long
- 12 pieces per set



Part Number		Price per set of 12
26-1396-00	Featherstrip Set	1.30

POCKET LINERS

- Durable plastic or rubber
- Actual O.E.M. liners
- 6 per set, 4 corners & 2 sides
- For use on Dynamo, Great American and Valley tables
- 6 pieces per set

Part Number		Price per set of 6
26-1127-00	3" Plastic Pocket Liners	5.10
26-1021-00	4" Plastic Pocket Liners	6.15
26-1082-00	3" Rubber Pocket Liners	8.10

BRIDGE HEADS

- Helps beginners to pros shoot the hard to reach shots
- Quality bridge heads are built to last
- Choice of bronze, aluminum, or plastic

Part Number		Price per ea.	L/12
26-1009-00	Aluminum Bridge Head	.70	.70
26-1026-00	Bronze Bridge Head	1.25	1.05
26-1320-00	Plastic Bridge Head	1.10	.96
26-1496-00	Brass Bridge Head	3.30	3.10

POCKET LINER PUSH-LOCK SCREWS

- New innovative black plastic screw used within pocket liners
- Will not damage balls when they are slammed into the pocket
- To install simply tap into place
- To remove simply cut plastic head off and replace in same hole
- Will work on Dynamo, Valley, and Greater American Billiards tables
- 3/4" length

Part Number		Price per ea.	L/100
26-1258-00	Pocket Liner Push-Lock Screws	.58	.47

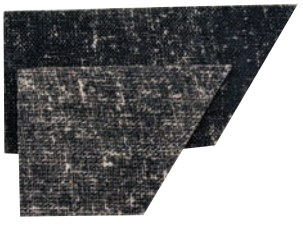
GULLY BOOTS

- Black durable rubber
- 6 pieces per set

Part Number		Price per set of 6
26-1008-00	Set of Gully Boots,	5.40
26-1080-00	Set of Gully Boots,	12.90

CUSHION FACING

- 12 pieces per set (8 large & 4 small)
- Protects balls from becoming damaged by cushion block
- Durable lamination of rubber and cloth
- Can be trimmed to size
- Barge cement is the ideal adhesive to aid in the installation – see page 266



Part Number		Price per set of 12
26-1049-00	Cushion Facing Set	2.05

BLACK RUBBER BUMPER

- Protects the bottom of the cue stick
- Simply screw on bottom of cue stick
- Includes screw

Part Number		Price per ea.	L/50
26-1089-00	Black Rubber Bumper with Screw	.29	.24

WEB POCKETS

- 6-7/8" shallow depth pocket
- Molded durable black plastic
- Set of 6

Part Number		Price per set
26-1381-10	Web Pockets Black Plastic	8.80

STANDARD POOL TABLE ACCESSORY KIT

- Kit includes the following:
- Professional 2?" ball set with number in the stripe
- (4) 2-piece maple cues sticks
- 2-piece bridge stick
- Bridge head
- Plastic 15-ball triangle rack
- Plastic 9-ball rack
- 9" table brush
- (1) 12-pack pool chalk

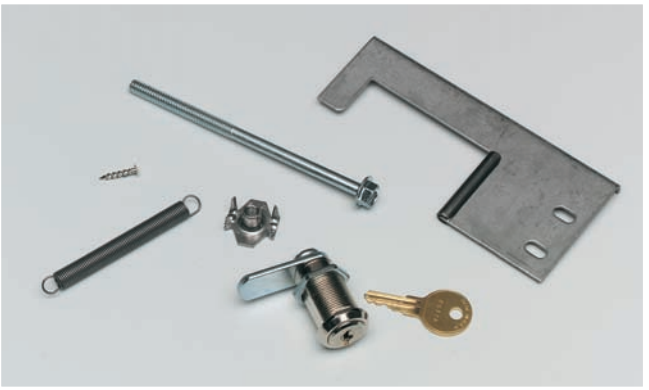
Part Number		Price per ea.
26-0113-00	Standard Pool Table Accessory Kit	39.95

REPLACEMENT PARTS FOR DYNAMO POOL TABLES

- Original Dynamo parts
- Let us keep your inventory of official Dynamo replacement parts. All in stock and ready to ship today!

Part Number	Dynamo Ref. No.	Description	Price per ea.
26-1080-00	710200700	Gulley Boots, Set of 6	12.90
26-1444-00	720202400	Brass Corner	99.30
26-1526-00	7202G1047	Trim Side Molding, Brass	24.65
800200200	800200200	Ball Trap Assembly	64.70
800200400	800200400	Corner Casting Chrome	64.20
800200500	800200500	Extension for Coin Chute	8.25
800204000	800204000	Trip Rod Assembly	30.85
26-1242-00	860000400	Plastic Coin Door Frame	36.00
860000600	860000600	Coin Box Enclosure	24.60
860000810	860000810	Plastic Cashbox	18.95
26-1248-00	860001300	Plastic Leg	41.20
26-1243-00	860001900	Plastic Coin Door	18.55
8602G0300	8602G0300	Ball View Door Trim	9.10
8602G0700	8602G0700	Triangle Housing Trim Gold	3.40
870000302	870000302	Bolt Ball Flap 1/4" -20 x 3/8"	1.85
870007359	870007359	Leg Bolt MS 5/16 18 x 1-1/2 CP HX ZN	1.45
26-1249-00	890001400	Leg Leveler	11.35
890200100	890200100	Meter with Arm	28.35
26-1258-00	890200400	Push Lock Screw f/ Corner Poc	.58
900200137	900200137	Pocket Ramp (Set 37-38) 7" Table	107.20
930200805	930200805	Plexiglass View Door	20.35
26-1056-00	980200200	New Green Dot Cue Ball	21.50
980201537	980201537	Rail Set 7 foot Model 37	180.25
26-1032-10	209-0005-5	New Valley/ Dynamo Magnetic Cue Ball	17.50

REPLACEMENT PARTS FOR VALLEY POOL TABLES



- Original Valley parts
- Let us keep your inventory of Valley replacement parts. All in stock and ready to ship today!

POOL TABLE REPLACEMENT PARTS

Part Number	Valley Part Number	Description	Price per ea.
004-0021-1	004-0021-1	Push Chute Right SIde Door	5.75
010-0066-0	010-0066-0	Hinge Wood Block B	4.70
010-0067-0	010-0067-0	Hinge Wood Block A	4.70
201-0001-0	201-0001-0	Trap Pivot Screw 1/4"- 20 x 5/16"	2.45
201-0002-0	201-0002-0	Rail Molding Screw #6 x 5/8"	1.50
202-0003-0	202-0003-0	Leg Bolt 5/16" - 18 x 1-1/2"	.58
202-0109-1	202-0109-1	Pocket Liner Screw 10-32 x 1/2"	1.20
203-0005-0	203-0005-0	Coin Mech. Hex Nut	.14
43-0486-00	203-0009-0	T-nut 1/4" - 20 (cushion rail bolt)	.29
203-0011-0	203-0011-0	T-nut 5/16" - 18 (leg bolt)	1.50
203-0082-0	203-0082-0	T-nut and Base for Table Leg	1.40
204-0016-0	204-0016-0	Large Pocket Liner Nail #6 x 3/4"	.63
204-0017-0	204-0017-0	Trim Molding Nail #14 x 7/8"	1.50
204-0018-0	204-0018-0	Trim Molding Screw Nail 2"x 3/4"	.30
204-0078-0	204-0078-0	Pocket Liner Washer	1.50
205-0009-1	205-0009-1	Nylon Wheel	3.20
205-0017-1	205-0017-1	Ball Viewer Plexi 32	16.45
205-1577-0	205-1577-0	Black Leg With Plate	46.35
26-1008-01	205-0002-0	Original Gully Boots	13.95
205-0564-0	205-0564-0	101 Side Rail Molding 82-3/16"	19.00
205-0565-0	205-0565-0	101 End Rail Molding 38-3/16"	12.15
26-1259-00	206-0002-1	Push Chute Trap	38.10
206-0009-0	206-0009-0	Ball Separator Short	7.45
206-0010-0	206-0010-0	Ball Separator For Long Rail	14.15
206-0011-0	206-0011-0	Ball Shunt	12.35
206-0096-1	206-0096-1	Leg Adjustment Plate	2.10
206-0422-0	206-0422-0	Triangle Molding 30-9/16"	12.65
206-0031-00	206-0031-00	Ball Return Molding 46-1/8"	16.55
206-0442-0	206-0442-0	Push Chute Hsng Molding 39-3/16" (#3)	11.75
206-0032-01	206-0032-01	Ball View Door Molding 65-7/8"	22.10
206-0552-0	206-0552-0	93 Side Rail Molding 73	19.25
206-0563-0	206-0563-0	Down Corner Assy (ZD-6)	38.10
206-0756-0	206-0756-0	Leg Leveler 1/2"x13"	14.25
206-0782-0	206-0782-0	Down Corner Assy (ZD-7)	42.35
207-0001-1	207-0001-1	Side Pocket	5.75
207-0002-1	207-0002-1	Corner Pocket Liner- For Nails	6.15
207-0002-2	207-0002-2	Corner Pocket Liner- Punched	6.15
207-0003-1	207-0003-1	Pocket Liner Set 4"	33.95
207-0003-2	207-0003-2	Pocket Liner Set- Punched	33.95
207-0032-1	207-0032-1	Cue Ball Return Trim Ring Black	8.25
207-0036-2	207-0036-2	Rubber Mat Rap Shelf	14.40
26-1032-10	209-0005-5	New Valley/Dynamo Magnetic Cue Ball	17.50
30-3156-C512A	212-0007-0	Key Only- C512A	2.10
30-1571-C512A	212-0041-0	2A Lock Assy Key Alike- C512A	4.40
212-0055-0	212-0055-0	Key Only #54	2.70
212-0056-0	212-0056-0	Lock Assy Keyed Alike #54	6.35
217-0001-1	217-0001-1	Ceramic Magnet	17.75
217-0002-2	217-0002-2	Ball Stop	3.40
217-0012-0	217-0012-0	Ball Gate Spring	2.30
217-0016-0	217-0016-0	Retaining Ring	1.55
217-0033-0	217-0033-0	Table Spots, Roll of 100	13.40
217-0394-0	217-0394-0	Counter Spring w/Hook	3.90
217-0568-0	217-0568-0	Push Chute Counter w/Arm & Hook Spring	34.60
26-1008-00	26-1008-00	Gully Boots (Set of 6)	5.40
26-1460-00	CP-B-00-CRA-2	93 Uncovered Rail Set	149.35
CPY00TRA20301	CP-Y-00-TRA-2-03-0	Corner Casting Assy (pre ZD-7)	72.05
CPYBSBVD-2-0101	CP-Y-BS-BVD-2-01-0	Ball View Door Taj Teak	87.50
CPBZQCRA3	CPBZQCRA3	93 Cushion Rail Set for 7" Tables	205.00
CPYECCDD10202	CP-Y-EC-CDD-1-02-02	Push Chute Door, Black 9-3/4"x 7"	15.40
42-0348-02	CP-Y-EC-LHO-3-02-0	Pool Table Coin Door w/ lock	33.50
26-1015-00	CU-B-00-SUP	Cue Sticks Supreme 15 to 18 oz	15.05
26-1014-00	CU-B-01-SUP	Cue Sticks Supreme 19 to 21 oz	15.05
CPYECSER50202	CPYECSER50202	Valley Push Cute Door F/Valley Pool Table	17.50

12 - CUE FLOOR RACK

- Attractive black wrinkle powder coat metal finish with heavy duty brushed metal supports
- Easy to assemble in minutes
- Rubber feet reduces slipping and scratching on tile floors
- Weighs 3-1/2 lbs.
- Made in USA

Part Number		Price per ea.	L/6
26-1105-00	12 Cue Floor Rack	38.65	36.00

17-CUE METAL FLOOR RACK

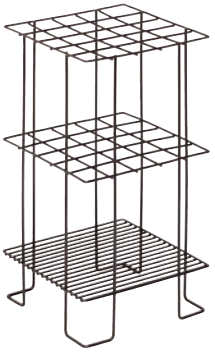
- Heavy duty - made from 1/4" steel rod
- Size: base 11-3/4" x 11-3/4", 24" high
- Color: black

Part Number		Price per ea.
26-1977-00	17-Cue Metal Floor Rack	42.10

25-CUE FLOOR RACK

- Custom designed cue rack will hold 25 cue sticks
- Heavy duty floor rack made of heavy steel wire construction
- No assembly required
- Made in the USA

HAPP®



Part Number		Price per ea.	L/6
26-1108-00	25 Cue Floor Rack	72.05	72.05

MULTI-SIZE CUP & CAN HOLDER

- Made in USA
- Durable high impact polystyrene
- The only cup holder that can handle multiple beverage sizes from cans to "jumbo" cup sizes
- Convenient "mug handle" groove accepts beer mugs
- 3 pre-drilled mounting holes
- Drain hole stops excess liquid from collecting in the bottom
- Color: Black

Part Number		Price per ea.
27-1422-00	Mulit-Size Cup & Can Holder	5.70

8-CUE WOOD FLOOR RACK

- Attractive finish looks at home in any location
- Edges are finished with gold trim
- Easily assembles in minutes
- Complete with hardware and instructions
- Heavy-duty wood construction
- All holes are pre-drilled
- Shipped unassembled
- Made in USA

Part Number		Price per ea.
26-1747-00	8-Cue Wood Floor Rack- English Oak	52.50
26-1747-10	8-Cue Wood Floor Rack- Contemporary Black	52.50

HEAVY DUTY 12-CUE METAL RACK

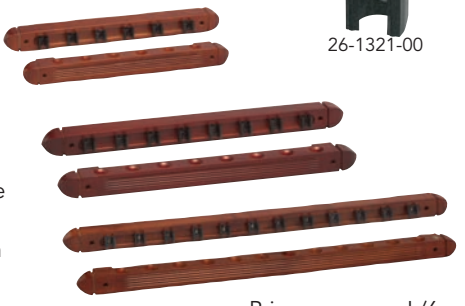
- 18 gauge steel
- Baked on black powder coating
- Smooth rolled holes
- 24"(H) x 14"(W) x 11"(D)
- Weighs 14 lbs

Part Number		Price per ea.
26-1461-00	Heavy Duty 12-Cue Metal Rack	60.95

CUE STICK WALL RACKS

- Solid, hardwood construction
- Includes screws for easy wall mounting
- Bottoms are drilled to support the cues, while clips firmly hold the cue shaft
- 3 sizes to choose from

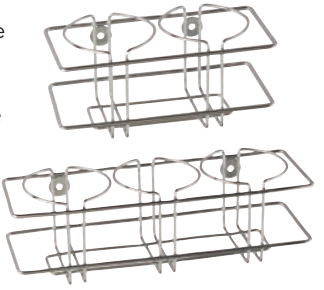
26-1321-00



Part Number		Price per ea.	L/6
26-1054-00	6 Cue Wall Rack	4.10	3.05
26-1047-00	8 Cue Wall Rack	5.10	4.10
26-1115-00	12 Cue Wall Rack	6.20	5.15
26-1321-00	Replacement Cue Stick Clip, Black Plastic	.21	–

BEVERAGE RACKS

- Easily mounts to the side of any game or wall
- Prevents drinks from spilling on equipment, video game or pool table
- Chrome polished steel tubing
- 2 mounting brackets welded to frame enables you to securely fasten to game or wall
- Fully reinforced for extended wear



Part Number		Price per ea.
27-1062-01	2 Drink Beverage Rack	5.10
27-1062-11	3 Drink Beverage Rack	6.15
14014000	5 Drink Beverage Rack	6.95

PREMIUM FIBERGLASS CUE STICK

- 57" 1 piece fiberglass
- Simulated 4-prong
- Natural brown wood look
- Rubber cushion on end
- High gloss finish
- Leather tip and white ferrule
- Packed 50 per case
- Assorted weights 17-21 oz.

Part Number		Price per ea.	L/50	L/100	L/200
26-1984-00	Premium Fiberglass Cue Stick	12.10	11.05	10.60	10.20

VALLEY "SUPREME" CUE STICK

- 57" length
- Leather tip
- 3/4" white fiber ferrule
- High quality hard Maple stick
- Genuine 4 prong
- Lacquer finish
- Non-marking rubber bumper to protect the base of the cue
- Naturally weighted
- Assorted weights: 15 thru 18 oz. or 19 thru 21 oz.
- Custom printing on cue stick available, please inquire

Part Number		Price per ea.	L/72	L/144
26-1014-00	Valley "Supreme" Cue Stick Heavy 19-21 oz.	15.05	14.70	13.70
26-1015-00	Valley "Supreme" Cue Stick Light 15-18 oz.	15.05	14.70	13.70

1 PC BLACK BRIDGE CUE STICK

- Ideal for home or commercial use
- Solid one piece design
- Bridge head sold separately

Part Number		Price per ea.
26-0205-00	1pc Black Bridge Cue Stick	3.45

CUE STICK CARRYING CASE

- Quality 2 piece cue case in black, leather grained vinyl
- Attractive inside with red, padded lining
- Equipped with a luggage style handle and 2 latches

Part Number		Price per ea.	L/12
26-1260-00	Cue Stick Carrying Case	10.00	7.90

8-BALL MAPLE CUE STICK

- Genuine 4-prong
- 57" 1 piece maple wood
- 8-Ball logo imbedded in handle
- Leather Tip
- Assorted weights
- Packed 36 per case

Part Number		Price per ea.	L/36	L/72	L/144
26-1633-00	8-Ball Maple Cue Stick	6.35	5.70	5.25	5.05

THE "TAURUS" CUE STICK

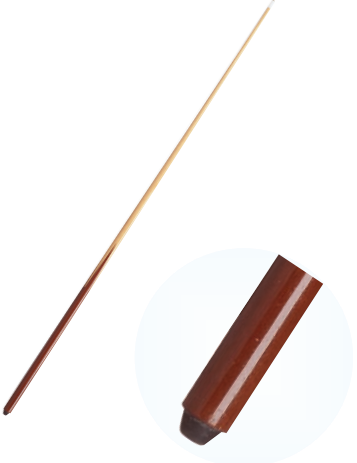
- Simulated 4 prong, brown handle
- 57" 1 piece seasoned wood with high gloss finish
- Excellent balance
- Slip-on tip
- Large 2-1/2" rubber bumper protects end of stick
- Contains the following weights:
  - 5pcs 16 oz.
  - 7 pcs 17 oz.
  - 7 pcs 18 oz.
  - 10 pcs 19 oz.
  - 10 pcs 20 oz.
  - 11 pcs 21 oz.

26-1144-00

Part Number		Price per ea.	L/50	L/100	L/200
26-1007-00	The "Taurus" Cue Stick	4.25	3.90	3.20	3.20
26-1144-00	Replacement Rubber Bumper for Taurus Cue Stick	.63	—	—	—

THE "DOLPHIN" CUE STICK

- Genuine 4 prong
- Naturally weighted
- 57" 1 piece seasoned wood
- 13mm black ferrule
- Great quality economy cue
- Assorted weights 16-21 oz.
- Packed 50 per case



Part Number		Price per ea.	L/50	L/100	L/200
26-1316-00	The "Dolphin" Cue Stick	6.00	5.50	4.85	4.65

PLASTIC DART FLIGHTS

- Durable One-Piece Molded Plastic Design
- High Quality

Arachnid

Part Number		Price per ea.	L/10
26-1074-100	House Dart Flight, Red	.21	.20
26-1074-120	House Dart Flight, Blue	.21	.20
26-1074-150	House Dart Flight, Yellow	.21	.20
26-1074-160	House Dart Flight, Black	.21	.20

DART COLLARS

- Durable Knurled Design
- High Quality

Arachnid

Part Number		Price per ea.	L/50
26-1074-180	Brass Knurled Collar for 1/4" Tip	.66	.55
26-1409-00	Aluminum Knurled Collar for 1/4" Tip	.55	.43

DART COLLARS

- Heavy Brass or Aluminum

480009 480004

Part Number	Description	Price per ea.	L/50
480009	Heavy Brass, 15 grams	.33	.28
480004	Aluminum	.26	.22

ULTRAFLEX PLASTIC DART TIPS

- The ultimate in plastic dart tips
- The only dart tip designed for many different dart heads
- Extremely durable, yet flexible
- Self-lubricating tip
- Hole in the base of tip allows you to tighten the tip easily with another tip
- Manufactured with state-of-the-art materials
- Available in 1/4"(bag of 500) and 2BA (bag of 1000)

QUALITY MADE IN THE U.S.A.

IMPROVED DESIGN

Part Number		Price per bag	L/10
26-1066-500	1/4" Black Dart Tip (Bag of 500)	9.70	9.20
26-1099-00	3/16" (2BA) Black Dart Tip (Bag of 1,000)	23.35	21.00

DART PRO PLASTIC DART FLIGHTS

- Premium one piece molded plastic design
- High quality without the high price
- Available in red, blue, yellow and black

DART PRO

Part Number		Price per ea.
26-1074-100DP	Dart Pro House Dart Red	.15
26-1074-120DP	Dart Pro House Dart Blue	.15
26-1074-150DP	Dart Pro House Dart Yellow	.15
26-1074-160DP	Dart Pro House Dart Black	.15

BRASS HOUSE DARTS ASSORTMENT PACK

- A Happ exclusive
- Original Arachnid darts
- Contains the following:
  - 25 Red House Darts, Brass, 1/4" Tip
  - 25 Blue House Darts, Brass, 1/4" Tip
  - 25 Yellow House Darts, Brass, 1/4" Tip
  - 25 Black House Darts, Brass, 1/4" Tip

Arachnid

Part Number		Price per pack	L/5
26-1074-00	House Dart Assortment Pack, Brass, 1/4" Tip (100 Darts)	66.95	61.75

BRASS HOUSE DARTS

- Original Arachnid darts
- Plastic Flight & Tip
- High Quality
- Brass Collar with 1/4" Black Tip

Arachnid

Part Number		Price per ea.	L/10
26-1074-10	House Dart Red, Brass with 1/4" Tip	1.10	.77
26-1074-12	House Dart Blue, Brass with 1/4" Tip	1.15	.79
26-1074-15	House Dart Yellow, Brass with 1/4" Tip	1.10	.77
26-1074-16	House Dart Black, Brass with 1/4" Tip	1.15	.79

ALUMINUM HOUSE DARTS

- Original Arachnid Darts
- Plastic Flight & Tip
- High Quality
- Aluminum Collar with 1/4" Black Tip

Arachnid

Part Number		Price per ea.	L/100
26-1420-10	House Dart Red, Aluminum with1/4" Tip	.89	.69
26-1420-12	House Dart Blue, Aluminum with 1/4" Tip	.89	.69
26-1420-15	House Dart Yellow, Aluminum with 1/4" Tip	.89	.69
26-1420-16	House Dart Black, Aluminum with 1/4" Tip	.89	.69

HAPP DART PRO HOUSE DARTS ASSORTMENT PACK

- Happ exclusive
- Dart Pro darts are of high quality and include threaded brass collars with standard 1/4" tips
- Pack contains the following:
  - 25 Red House Darts
  - 25 Blue House Darts, Brass, 1/4" Tip
  - 25 Yellow House Darts, Brass, 1/4" Tip
  - 25 Black House Darts, Brass, 1/4" Tip

DART PRO

Part Number		Price per ea.
26-1074-00DP	Happ Dart Pro House Darts 100-Piece Assortment Pack	32.99

FLIP-OVER ASHTRAY

- Easily mounts to any coin-op game
- Empty ashtray by just flipping it over
- Sturdy metal construction

Part Number		Price per ea.
51-0302-00	Flip-Over Ashtray	5.99

SPECIALTY LAMP

Part Number		Price per ea.	L/10
91-2510-00	25T10 Lamp	2.10	1.90
91-4010-00	40T10 Lamp	2.20	2.00

QUARTER COIN HOLDER

- For Arachnid electronic dart games
- Top illumination lamp

Part Number		Price per ea.	L/25
26-1065-00	Quarter Coin Holder	3.05	2.65

THROW LINE MARKERS

- Solves arguments over location of throw line
- Pressure Sensitive Decal
- Simply peel backing and adhere to floor
- Holds 8 Quarters or Tokens
- Works great for Pool Tables, Pinball Machines, Foosball and Video Games
- Furnished with Double Sided tape for easy mounting
- 11-5/8" Length

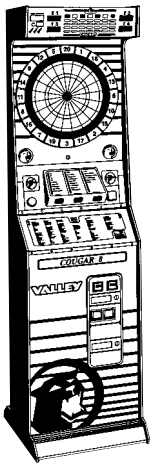
Part Number		Price per ea.
26-1070-00	Bull Starts Here, Throw Line Marker	3.05
26-1091-00	Bullshooter, Throw Line Marker	4.05

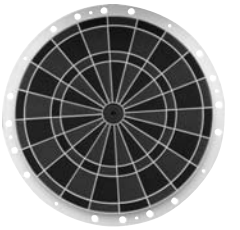
DART TIP EXTRACTOR

- Easily removes broken tips from dartboard
- Black handle

Part Number		Price per ea.	L/6
26-1067-00	Dart Tip Extractor Tool	10.25	9.25

REPLACEMENT PARTS FOR VALLEY DART GAMES





REPLACEMENT PARTS for Valley Dart Games

Part Number	Valley Part No.	Description	Price per ea.
91-0658-00	223-1006	Miniature Wedge Lamp (GE658)	.85
205-0340	205-0340	Outer Bullseye Blue	2.05
205-0242-00	205-1022-6	Dart Catch Ring (4 pc completes ring)	4.10
205-1221-7	205-1221-7	Inner Bullseye Red	5.39
205-1222-5	205-1222-5	Thin Line White Spider	23.45
207-0048	207-0048	Rubber Sheet American Size	23.45
91-1891-10	223-0003	Lamp, Mini Bayonet (1891)	.46
223-0006	223-0006	Lamp, Bi-Pin (7832)	.91
91-0030-00	223-0014	Lamp, Mini Wedge Base (158)	.52
N25-0-00-00	N25-0-00-00	Spider Assy w/ Segments (Red/Blue)	128.90
N65-0	N65-0	Matrix Switch Assy (SM/HB/C8)	247.95
Q17-2-00-00	Q17-2-00-00	82 pc Segment Set (Red/ Blue)	91.80
Q28-2-00-00	Q28-2-00-00	4 pc Segment Set Red	9.25
Q29-3-00-00	Q29-3-00-00	4 pc Segment Set Blue	9.25
20502941K		Tips, 1000 per Bag Elite Valley	29.00
207-0048	207-0048	Damper Courage Dart	23.45
N65-0		Matrix	247.95
Q0650000		Loaded Spider Cougar Thin Ribbed	118.18
223-0006		Lamp 14 volt Long Life	.91
203-0011-0		T-Nut Leg 5/16	1.50
205-0001-3		Cash Box Vacuum Formed	24.70
205-0009-1		Nylon Wheel New	3.20
205-0638		Player Change Button	9.17
205-0242-00		Catch Ring Ea. Thin Fold Down	4.10
205-1222-5		Spider Empty Thin Rib Cougar	23.45
207-0048		Damper Cougar Dart	23.45

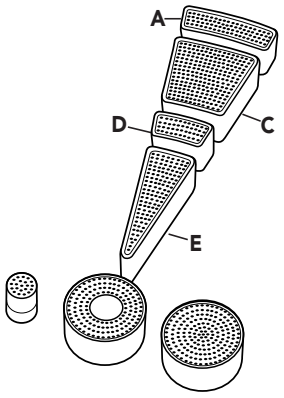
MULTI-SIZE CUP & CAN HOLDER

- Durable high impact polystyrene
- The only cup holder that can handle multiple beverage sizes from cans to "jumbo" cup sizes
- Convenient "mug handle" groove accepts beer mugs
- 3 pre-drilled mounting holes
- Drain hole stops excess liquid from collecting in the bottom
- Color: Black

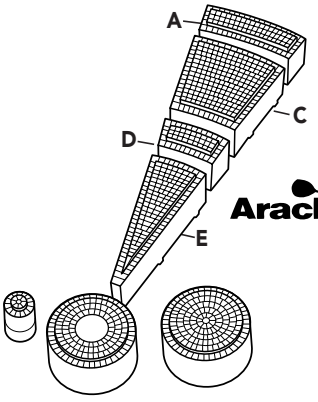
Part Number		Price per ea.
27-1422-00	Multi-Size Cup & Can Holder	5.70

SPIDER SEGMENTS FOR ARACHNID DART GAMES

Arachnid®



REGULAR SPIDER



SUPER SPIDER

Part Number	Arachnid Part No.	Description	Price per ea.
REGULAR SPIDER SEGMENTS for Arachnid Dart Games			
11577	11577	"A" Black Double Segment Regular Spider	1.65
12687	12687	"C "Black Single Segment Regular Spider	2.30
13797	13979	"D" Black Triple Segment Regular Spider	1.75
16025	16025	Black Inner Bull Regular Spider	5.00
19255	19255	Red Outer Bull Regular Spider	3.45
29244	29244	"A" Red Double Segment Regular Spider	1.65
30465	30465	Standard Bull Regular Spider	2.75
32685	32685	"C" Red Single Segment Regular Spider	2.30
33795	33795	"D" Red Triple Segment Regular Spider	1.55
37154	37154	"E" Black Single Pie Segment Regular Spider	1.80
37155	37155	"E" Red Single Pie Segment Regular Spider	1.80
12397	12395	Web for Galaxy	57.50
91-4010-00	L0176	Hot Dog Lamp	2.20
12575	12575	Matrix, Galaxy Double Bull	106.70
14617	14617	Loaded Spider New	135.30
25848	25848	Segment Red Pie New	1.80
26958	26958	Segment Black Pie New	1.80
27030	27030	4500 Special Lamp	2.55

SUPER SPIDER SEGMENTS for Arachnid Dart Games			
18069	18069	"A" Red Double Segment Super Spider	1.80
19079	19079	"A" Black Double Segment Super Spider	1.80
21408	21408	"C" Red Single Segment Super Spider	2.70
22518	22518	"C" Black Single Segment Super Spider	2.70
23628	23628	"D" Red Triple Segment Super Spider	2.10
24738	24738	"D" Black Triple Segment Super Spider	2.10
25848	25848	"E" Red Single Pie Segment Super Spider	1.80
26958	26958	"E" Black Single Pie Segment Super Spider	1.80
36971	36971	Double Bull Assembly Super Spider	6.25
12575	12575	Matrix New Super Spider	106.70
14617	14617	Spider Loaded New Style	135.30
29268	29268	Super Spider New Style	14.25

REPLACEMENT PARTS FOR ARACHNID DART GAMES

Arachnid®

26-1091-00

91-0658-00

91-4010-00

REPLACEMENT PARTS for Arachnid Dart Games

Part Number	Arachnid Part No.	Description	Price per ea.
12397	12397	Web assembly	57.50
14617	14617	Super Spider & Segment kit for Galaxy w/o Matrix	135.30
27030	27030	Bulb w/ Socket 14v for Main P.C. Board	2.55
91-0070-00	32739	Florescent Ballast, 15V	12.55
26-1091-00	32605	Bullshooter Throw Line Marker	4.05
91-0658-00	34811	Mini Lamp 14v 658 Wedge Base	.85
91-4010-00	37024	Lamp 40T10F 40 watt Frosted Medium Base	2.20
49-4040-00	41341	12" Black Monitor	536.00
49-4040-10	41752	12" Goldstar Monitor	628.30
12575	12575	Super Spider Matrix- Thin Line for Galaxy- Double Bull	106.70
28258	28258	Damper New	12.85
170073	170073	Double Bull Center Black	3.48

FOOSBALLS

- Largest selection of foosballs anywhere!
- From original O.E.M. soccer balls to a realistic looking soccer ball, we have them all

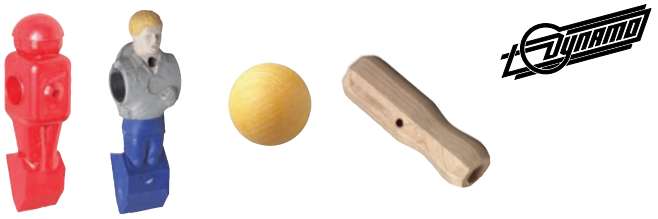
Part Number		Price per ea.
205-1517-0	Red Ball for Tornado Soccer	3.10
49-0550-11C	Foosball, White Composition Surface, Made in the U.S.A.	1.30
49-0550-11S	Foosball, White Smooth Surface, Molded	.50
49-0550-15C	Foosball, Yellow Composition Surface, Made in the U.S.A.	.92
49-0550-16BWC	Foosball, Black & White Checkered Surface	.67
49-0550-99	Foosball, Cork (Not Pictured)	1.80

REPLACEMENT PARTS FOR TORNADO FOOSBALL

- Complete stock of all your Tornado Soccer parts
- Happ is an official distributor of Tornado / Valley

Part Number	Valley Part No.	Description	Price per ea.
201-0249-0	201-0249-0	Score Post Screw	1.40
205-1513-0	205-1513-0	Field Trim	16.30
205-1514-0	205-1514-0	Leg Leveler	11.80
205-1517-0	205-1517-0	Foosball Red	3.10
205-1518-0	205-1518-0	Score Post Black	6.55
205-1519-0	205-1519-0	Bearing Wrench	6.65
205-1520-0	205-1520-0	Bearing Nut	4.80
205-1521-0	205-1521-0	Bearing Set (2 half bearings)	2.35
205-1522-0	205-1522-0	Black Figure	4.85
205-1523-0	205-1523-0	Yellow Figure	4.85
206-0681-0	206-0681-0	2 Man Rod	44.15
206-0682-0	206-0682-0	3 Man Rod	38.90
206-0683-0	206-0683-0	Goalie Rod	46.90
206-0684-0	206-0684-0	5 Man Rod	38.90
206-0750-0	206-0750-0	Score Post Rod	4.25
207-0106-0	207-0106-0	Bumper	3.65
212-0062-0	212-0062-0	Cabinet Lock	13.00
217-0663-0	217-0663-0	Silicone 2 oz	9.20
217-0664-0	217-0664-0	Score Disc (natural)	1.25
217-0665-0	217-0665-0	Score Disc (black)	1.30
217-0667-0	217-0667-0	Punch	6.35
217-0669-0	217-0669-0	Roll Pin	.88
217-0670-0	217-0670-0	Handle	6.50

REPLACEMENT PARTS FOR DYNAMO FOOSBALL



- In stock and ready to ship

Part Number	Dynamo Ref. No.	Description	Price per ea.
26-1160-00	710100401	Scoring Kit	25.70
26-1255-00	800102501	2 Hole Rod	38.90
26-1257-00	800102701	5 Hole Rod	38.90
217-0670-0	830100115	Wooden Handle	6.50
860100700	860100700	Rod "Ohio" Bushing	3.65
26-1251-00	860155006	Red Man	7.40
26-1252-00	860155011	Blue Man	7.40
49-0550-15C	860155020	Yellow Foosball	.92
43-0253-00	879900800	Nut Lock for Men 10-32	.18
26-1123-00	900100110	Rubber Bumper	3.70
26-1253-00	900100100	Rubber Handle	9.00

REPLACEMENT PARTS FOR TORNADO HOCKEY

Part Number		Price per ea.
205-1529-0	3-1/4" Red Glass Filled Puck	3.35
205-1530-0	White Mallet	8.20
205-1502-0	Green 2.5" Home Puck	3.95

REPLACEMENT PARTS FOR TOURNAMENT AND PREMIER SOCCER

26-1482-00 26-1479-00 26-1484-00 26-1483-00

Tournament Soccer Parts

Part Number	Ref. No.	Description	Price per ea.
26-1476-00	TS-48A	2-man Rod	10.25
26-1477-00	TS-48B	1 & 3-man Rod	10.25
26-1478-00	TS-48C	5-man Rod	10.25
26-1479-00	TS-58T	Tan man	1.05
26-1480-00	TS-58Y	Yellow man	1.05
26-1481-00	—	Gray man	1.30
26-1482-00	—	White man	1.50
26-1483-00	—	Red man w/Rounded Foot, Wide Shoulder	1.05
26-1484-00	—	Blue men w/Rounded Foot, Wide Shoulder	1.05
26-1673-00	—	Metal Face Plate (Chrome), for Soccer Table	.47

Premier Soccer Spare Parts

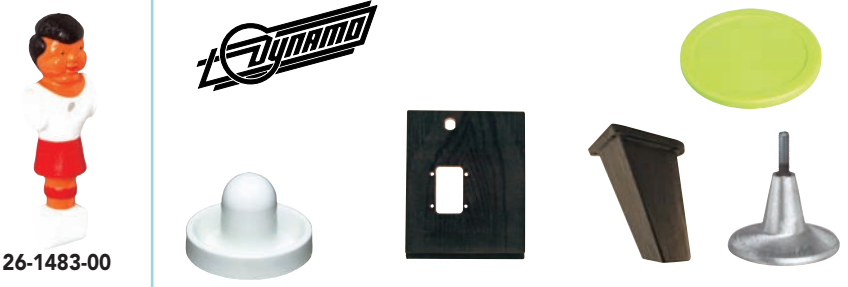
Part Number	Ref. No.	Description	Price per ea.
26-1476-00	23-115	2-man rod	10.25
26-1477-00	23-116	1+3-man rod	10.25
49-0751-00	23-122	Handle, rubber grip	1.50
49-0752-00	23-124	Chrome bumper spring	1.80
49-0753-00	23-125	Lively rubber bumper	.67
49-0755-00	23-127	Rod end plastic cap	.33
49-0758-00	23-131	Ball entry cup	.37
49-0764-00	23-137	Goalie stop with screw	1.10
49-0760-00	23-153	Player nut & bolt	.33
49-0763-00	23-165	Yellow man, w/out hat	2.10
49-0762-00	23-171	Light gray man	2.10
49-0761-00	23-172	Dark gray man	2.10
49-0917-00	26-166	Tan man	2.10

HOCKEY MALLETS & PUCKS

- High quality
- Mallet will work for both standard white and fluorescent white applications

Part Number	Ref.No.		Price per ea.
205-1502-0	205-1502-0	2.5" Green Puck for Tornado	3.95
205-1529-0	205-1529-0	3-1/4" Red Glass Filled Puck	3.35
26-1244-00	860400090	3-1/4" Fluorescent Green Puck	4.00
51-0100-B	860400100	3-1/4" Yellow Puck	2.35
51-0301-01	860400400	3-1/4" White Quiet Puck	4.45
205-1530-0	205-1530-0	Tornado White Mallet	8.20
26-1245-01	860400200	White Fluorescent Mallet	4.10
0110A	—	White Mallet Economy	2.95

REPLACEMENT PARTS FOR DYNAMO HOCKEY



- The most commonly replaced hockey parts

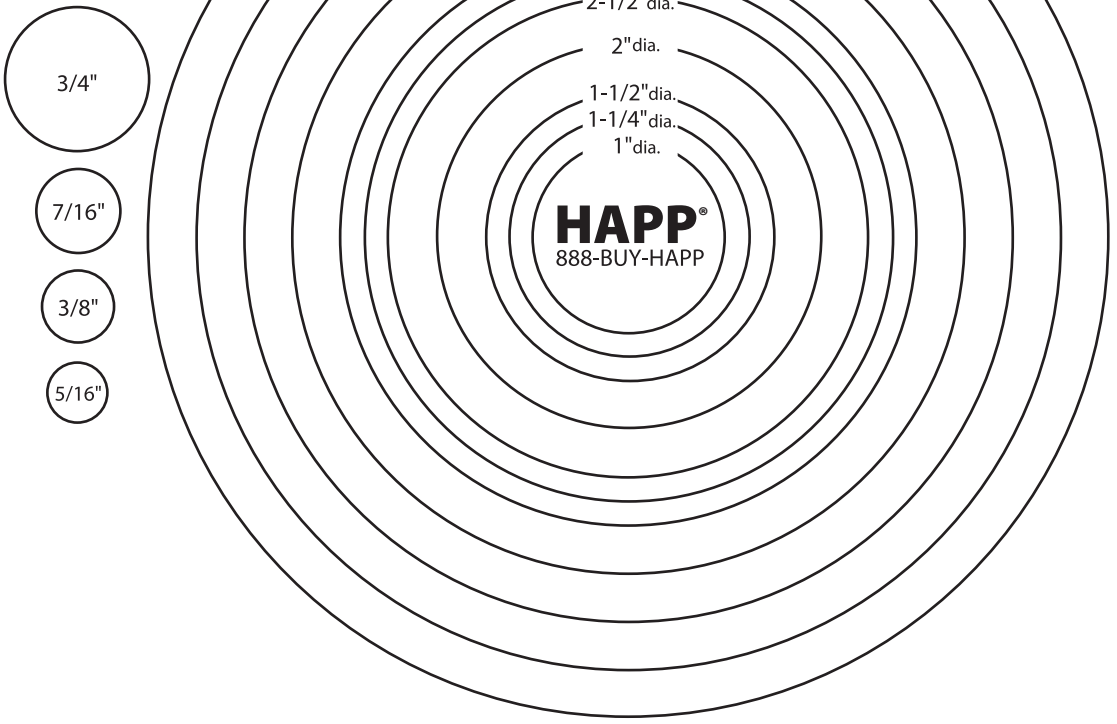
Part Number	Dynamo Ref. No.	Description	Price per ea.
26-2014-00	030400250	Plexi Shield Kt	269.00
800400300	800400300	Coin Mech Extension	41.00
26-1242-00	860000400	Plastic Door Frame	36.00
860000810	860000810	Plastic Cashbox	18.95
26-1248-00	860001300	Plastic Leg	41.20
26-1243-00	860001900	Plastic Coin Door	18.55
26-1247-00	60400010	Corner Protector	4.45
26-1244-00	860400090	Green Fluorescent Puck	4.00
51-0100-B	860400100	Dynamo 3-1/4" Yellow Puck	2.35
51-0301-01	860400400	Dynamo 3-1/4" White Quiet Puck	4.45
0110A		White Mallet	2.95
26-1245-01	860400210	White Fluorescent Mallet	4.10
26-1447-00	870011311	Bolt Rail MS 1/4 -20 x 2"	1.35
26-1446-00	870054105	T-Nut Rail 1/4 -20	1.45
26-1277-00	880400300	Solenoid 110 volt	36.75
26-1250-00	880404200	Score Optic	59.60
26-1249-00	890001400	Leg Leveler	11.35
26-1749-00	960402802	Drop Pocket	39.40
980400200	980400200	Adhesive Sand Paper	2.40

VALLEY SOCCER/FOOSBALL BLACKLIGHT KIT

- Add a new look and feel to that old table
- Increase your profit earnings
- Kit will attach to any Tornado foosball table
- Simple to assemble
- Made with heavy-duty 16 Gauge Cold Rolled Steel construction, with textured black powder paint
- Includes 26 players, (11 neon green & 11 fluorescent blue), 3 white foosballs that glow in the dark and dual bulb black-light overhead fixture

Part Number		Price per ea.
26-1914-00	Valley Soccer/Foosball Black-light Kit	394.95

Pinball Rubber Sizing Chart



PINBALL RUBBER

- Made of pure gum rubber
- **Best** quality for long life
- Custom designs available
- Flipper rubber, ball shooter tip and playfield rubber in super - durable BLACK rubber or WHITE rubber

RUBBER RINGS

- Sized by inner diameter
- All rings have 1/4" rubber section size
- Color: Black or White

RUBBER RINGS

Part Number	ID	Color	Hardness	Price per ea.	L/100
23-6694-14	4 1/2"	Black	50 Durometer	.76	.72
23-6694-15	5"	Black	50 Durometer	.99	.95
25-1020-06HD	3/8"	Black	50 Durometer	.27	.25
25-1040-06HD	3/4"	Black	50 Durometer	.34	.29
25-1050-06HD	1"	Black	50 Durometer	.45	.41
25-1060-06HD	1-1/4"	Black	50 Durometer	.33	.30
25-1070-06HD	1-1/2"	Black	50 Durometer	.47	.41
25-1080-06HD	2"	Black	50 Durometer	.56	.49
25-1090-06HD	2-1/2"	Black	50 Durometer	.65	.57
25-1095-06HD	2-3/4"	Black	50 Durometer	.74	.68
25-1100-06HD	3"	Black	50 Durometer	.76	.72
25-1200-06HD	3-1/2"	Black	50 Durometer	.77	.74
25-1250-06HD	4"	Black	50 Durometer	.74	.73
25-1300-06HD	4-1/2"	Black	50 Durometer	1.20	.92
23-6590	7/32"	White	45 Durometer	.25	.22
23-6591	3/8"	White	45 Durometer	.20	.18
25-1018-01	7/32"	White	45 Durometer	.37	.27
25-0010	5/16"	White	45 Durometer	.34	.30
25-1020-01	3/8"	White	45 Durometer	.30	.30
25-1040-01	3/4"	White	45 Durometer	.34	.29
25-1050-01	1"	White	45 Durometer	.45	.41
25-1060-01	1-1/4"	White	45 Durometer	.33	.29
25-1070-01	1-1/2"	White	45 Durometer	.45	.37
25-1080-01	2"	White	45 Durometer	.56	.50
25-1090-01	2-1/2"	White	45 Durometer	.65	.57
25-1100-01	3"	White	45 Durometer	.67	.61
25-1200-01	3-1/2"	White	45 Durometer	.77	.71
25-1250-01	4"	White	45 Durometer	1.70	1.50
25-1300-01	4-1/2"	White	45 Durometer	1.20	.88

BUMPER POST RINGS

- For plastic bumper posts
- Sized by inner diameter
- Color: Black or White

Bumper Post Rings

Part Number	ID	Rubber Diameter	Color	Hardness	Price per ea.	L/100
25-1010-06HD	5/16"	3/16"	Black	50 Durometer	.29	.27
25-1030-06HD	7/16"	3/16"	Black	50 Durometer	.28	.25
25-1280-06HD	5/16"	7/32"	Black	50 Durometer	.28	.25
25-1290-06HD	3/16"	7/32"	Black	50 Durometer	.24	.22
25-1010-01	5/16"	3/16"	White	45 Durometer	.52	.41
25-1030-01	7/16"	3/16"	White	45 Durometer	.28	.25
25-1280-01	5/16"	7/32"	White	45 Durometer	.32	.29
25-1290-01	3/16"	7/32"	White	45 Durometer	.24	.22

MINI POST RUBBER

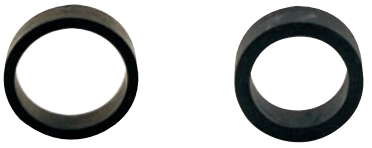
- For 5/32" metal posts
- Sized by outer diameter
- Color: Black or White

Mini Post Rubber

Part Number	OD	Color	Hardness	Price per ea.	L/100
25-1260-06HD	3/8"	Black	50 Durometer	.22	.20
25-1270-06HD	7/16"	Black	50 Durometer	.21	.19
23-6535	3/8"	White		.18	.16
23-6603	5/16"	White	45 Durometer	.13	.11
25-1260-01	3/8"	White	45 Durometer	.22	.20
25-1270-01	7/16"	White	45 Durometer	.22	.20

FLIPPER RUBBER/MINI-FLIPPER RUBBER

- Color: Black, Red, Yellow



Flipper Rubber/Mini-Flipper Rubber

Part Number	Size	Color	Hardness	Price per ea.	L/100
23-6519-6	1/2"	Yellow		.35	.32
23-6553-4	1" x 7/16"	Red		.60	.55
23-6610-1	3/8"	Red		.62	.58
25-1338-00	1-1/2" x 3/8"	Red	45 Durometer	.93	.85
25-1000-06HD	1-1/2" x 1/2"	Black	60 Durometer	.62	.52
25-1000-00	1-1/2" x 1/2"	Red	45 Durometer	.69	.55
25-1000-05	1-1/2" x 1/2"	Yellow	45 Durometer	.70	.56
25-1001-06HD	1" x 1/2"	Black	Mini-Flipper 60 Durometer	.54	.43

RUBBER BUMPER SLEEVES

- Color: Black or Yellow

Rubber Bumper Sleeves

Part Number	Williams P/N		Price per ea.
23-6551	23-6551	Yellow, Thick 7/16" Outside Dim.	.47
23-6556	23-6556	Black, Thin 7/16" Outside Dim.	.30
236579	23-6579	Yellow, Cap or Bell Style 1/2"Outside Dimension	1.80
50-2033-00	23-6556	Black Rubber Bumper Sleeve 1/2" OD x .260 ID x 7/8" L	.52
50-2033-05	23-6552	Yellow Rubber Bumper Sleeve 1/2" OD x .260 ID x 7/8" L	.52

BALL SHOOTER TIPS

- Made with internal chamfer to fit shooter rod exactly

Ball Shooter Tips

Part Number	Color	Hardness	Price per ea.	L/100
25-1349-06	Black	60 Durometer	.35	.30

YELLOW TAPERED RUBBER BUMPER

- 3/4" size
- Yellow rubber
- Minimum order 10

Part Number		Price per ea.	L/100
236579	Tapered Yellow Bumper	1.80	1.60

PLAYFIELD POST CAPS

- Black Playfield post cap and White Playfield post cap

Part Number		Price per ea.	L/100
49-0766-06	Black Playfield Post Cap	.21	.19
49-0766-00	White Playfield Post Cap	.20	.18

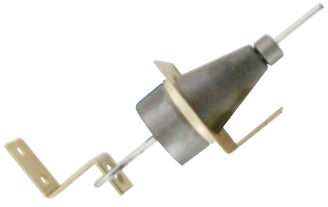
PINBALLS

- Protect your playfield – replace pinballs at the slightest hint of pitting, rust or other imperfections
- Two sizes available
- Material: Steel

Part Number		Price per ea.	L/25
49-0587-00	1-1/16" Steel	1.65	1.45

TILT/PLUM BOB ASSEMBLY

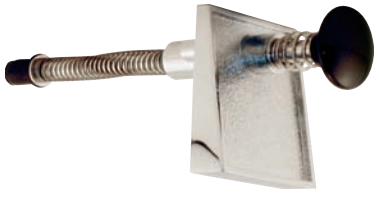
- Commonly used in all pinball machines
- Adjustable sensitivity, just lower or raise the center plumb bob
- Includes all items pictured



Part Number		Price per ea.	L/12
95-0328-00	Tilt/Plum Bob Assembly	10.95	9.95

UNIVERSAL BALL SHOOTER ASSEMBLY

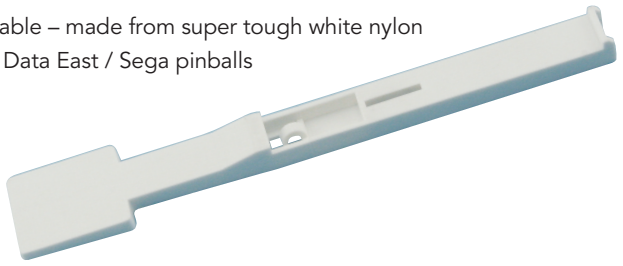
- For all pinball games
- Black bezel and black knob with black tip
- Simply mount to cabinet



Part Number		Price per ea.	L/12
95-0086-00	Universal Ball Shooter Assembly	17.70	16.00

DROP TARGET

- Durable – made from super tough white nylon
- Fits Data East / Sega pinballs

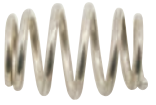


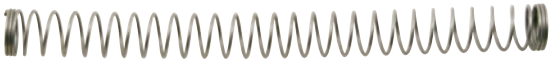
Part Number		Price per ea.	L/25
25-1325-00	Drop Target, Blank, White	1.80	1.45

BALL SHOOTER SPRINGS

- Original equipment
- Plated steel springs

BARREL





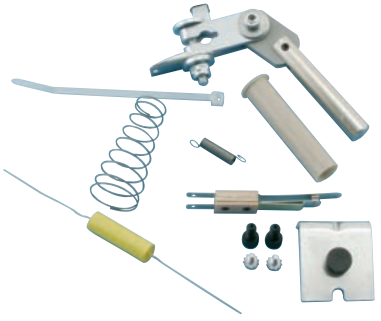
PLUNGER

Part Number		Price per ea.	L/25
25-1326-00	Barrel Spring	.65	.59
25-1327-00	Plunger Spring	.85	.74

OLD STYLE FLIPPER REBUILD KIT

- For older Williams pinball machines

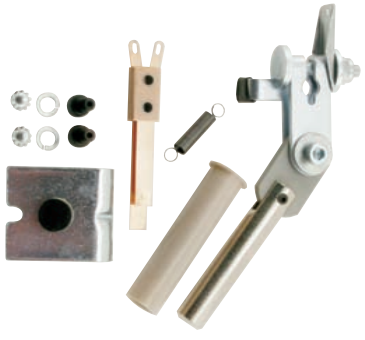
  Does not include coils



Part Number		Price per ea.
A-13524-1	Old Style Flipper Rebuild Kit	31.50

FLIPTRONIC FLIPPER REBUILD KIT

- For new style Williams pinball machines
- Does not include coils



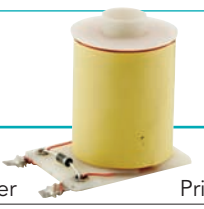
Part Number		Price per ea.
A-13524-8	Fliptronic Flipper Rebuild Kit	31.70

PINBALL COILS & SLEEVES

WILLIAMS/BALLY

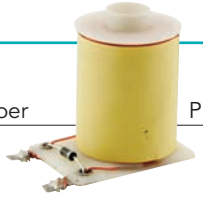
Part Number	Price per ea.
A-14701	9.00
A-24-570/34-3600	7.90
A261200	7.59
A271300	7.50
A-30-3000	6.82
A-15849-L-2	38.05
AE23800	7.05
AE-23-800-02	7.05
AE23800-03	7.05
AE-23-800-04	7.05
AE-23-800-06	.45
AE-23-800-11	2.00
AE-23-800-13	.45
AE-24-900	7.05
AE-24-900-01	2.00
AE-24-900-02	2.00
AE-25-1000	7.05

Part Number	Price per ea.
AE-26-1500-01	3.78
AE26-1500-02	7.05
AE261200	7.05
AE261500	7.05
AE271200	7.05
AE-28-1500	7.40
AE302000	8.60
AF25-500/28-100	9.25
AL-23-800-01	4.33
AL-26-1500-02	2.00
AQ25-500/34-5050	9.30
AQ26-600/34-4500	9.80
C28-1100	7.05
FL-11722	9.25
FL-11753	9.25
FL117531	10.40
FL-17636	10.95



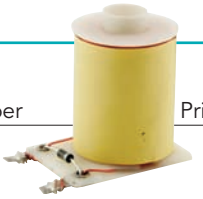
Part Number	Price per ea.
FL11629	9.85
FL11630-50V	8.80
FL117531	10.40
FL15411	9.75
SA-23-850-DC	7.05
SFL19400/30750	9.85
SFL20-300/30800	9.85
SFL24600/30-2600	9.85
SG-23-850-DC	9.25
SM-26-600-DC	8.40
SM1-26-600	9.85
SM30-1100-DS	9.85
SM31-900	8.80
SM1-28-900	6.67
SMI-35-4000	7.45

PREMIER/GOTTLIEB



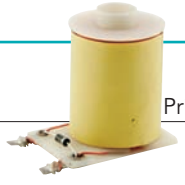
Part Number	Price per ea.
27643	8.52
A-14789	10.55
A-1496-SS	7.65
A16570	11.80
A-17875	10.20
A-17876	7.80
A19300	6.90
A-21741	7.80
A24161	7.30

Part Number	Price per ea.
A25959	11.35
A26451	10.30
A-26646	11.30
A26926	10.30
A27642	10.60
A27926	6.50
A-30297	6.55
A31272	9.45
A4893	7.56



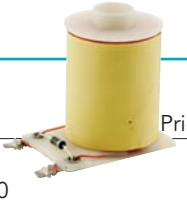
Part Number	Price per ea.
A-5141	11.30
A-5194	7.80
A5195	7.30
A24161	7.30
A25959	11.35
A26451	10.30
A28740	10.35
A29876	11.80
A5195	7.30

SEGA / DATA EAST / STERN



Part Number	Price per ea.
090502020	8.89
0905000	9.00
090-5002-00	7.05
090-5004-00	7.05
090-5005-00	8.65
090-5008-00	6.02

Part Number	Price per ea.
090-5011-00	11.85
090-5020-02	9.20
090-5020-20	12.70
090-5020-30	10.25
090-5023-00	7.50
090-5030-00	9.25



Part Number	Price per ea.
090-5032-00	11.15
090-5034-090	5.95
090-5036-01	7.85
090-5041-00	10.25
090-5044-0T	8.80
090-5067-00T	14.60

CRANE COILS

Part Number		Price per ea.
CS-834	Gripper coil for Smart & Kramer	14.40
CS-992	Hollywood crane coil	23.85
CS1121	Claw coil for Smart cranes	15.40
CS905	Pop-A-Ball coil	12.95
CS-1230	Coil for Plush Bus	23.85
CS-1148	Crane coil	16.50

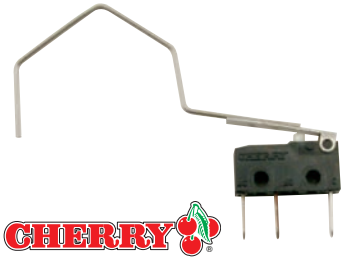
COIL SLEEVES

Part Number		Price per ea.
03-7067	1-7/8" long	.53
037066	1-3/4" long	.57
0370665	2-1/4" long	.33
03-7066-4	2-14" long	1.40
0370673	1-13/16" long	.40
03-7067-5	2-1/16" long	.79
95-0637-00	2-5/8" long	.91

PINBALL SWITCHES

ROLLOVER SWITCH

- CHERRY switch
- Generic rollover wire form
- Replaces most micro-type rollover switches
- Use with switch bracket (below) to replace leaf rollover switches
- 10 million cycle reliability



Part Number		Price per ea.	L/100
95-4149-00	Rollover Switch	3.55	2.75

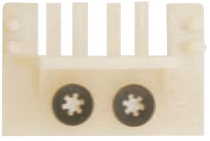
MINIATURE MICRO SWITCHES W/ ACTUATOR

- Flat or wire actuator
- Form to desired shape
- Fit all recent pinballs using subminiature micro switches

Part Number		Price per ea.	L/100
95-4170-00	Miniature Switch with Wire Actuator	3.55	2.75
95-4183-00	Miniature Switch with Flat Actuator	3.55	2.80

SWITCH BRACKET

- For under-playfield mounting of any of the above switches
- Supplied with push nuts
- Mount switch left or right



Part Number		Price per ea.	L/100
95-4184-00	Switch Bracket with Push Nuts	.85	.70

ANTI-SLAM SWITCH

- Sensitive – with heavy weight
- With bracket to fit door lock

Part Number		Price per ea.	L/100
95-4176-00	Anti-Slam Switch w/Bracket	9.25	8.20

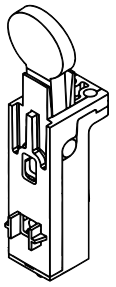
LOOKING FOR INTERLOCK SWITCHES? SEE OUR COMPLETE LINE OF SWITCHES IN THE ELECTRICAL SECTION - STARTING ON PAGE 370

PINBALL TARGET SWITCHES

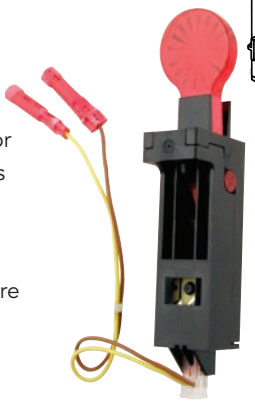
2 YEAR WARRANTY

- Universal replacement target switch for use on both new and old pinball machines
- No adjustment required throughout the life of the target
- Repetitive operating point
- 50,000,000 cycle typical switch life
- Shock, dust and dirt resistant
- Integrated electrical connector
- Only the target head protrudes above the playing field
- Translucent target heads illuminate brilliantly
- Includes mounting screws, wire harness and installation instructions

Rear Mount



Front Mount



HEAD TYPE:
See Head Type Chart
(1,2,3,4,5)

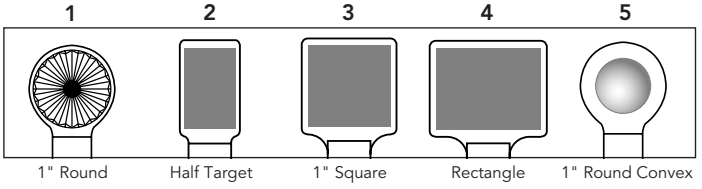
KIT:
K = With Installation Kit
_ = Without Installation Kit

46-MH10-CK

MOUNTING:
F = Front
R = Rear

COLOR:
10T = Red Translucent
12T = Blue Translucent
13T = Green Translucent
13FT = Green Fluorescent Translucent
14T = Purple Translucent
15T = Yellow Translucent
17T = Amber Translucent
18 = Clear Translucent
19T = Orange Translucent

Head Types Available



Installation Kit Includes the necessary items needed to replace existing older style pinball targets (2 Mounting Screws, Wire Harness and Instructions)

Part Number		Price per ea.	L/25
46-MH10-CK	Pinball Target Switch w/Installation Kit	6.65	6.50

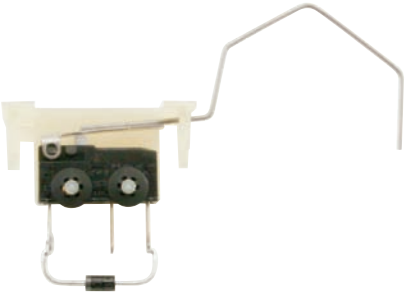
PINBALL PLAYFIELD SWITCH ASSEMBLIES

- Made with GOLD contact subminiature CHERRY DA-3 switches for long, reliable service
- Sold as complete assemblies, including bracket and diode
- Ready to install on back of playfield
- Use on almost any pinball to replace troublesome leaf switch assemblies
- OEM applications – Custom designed switches also available, please inquire

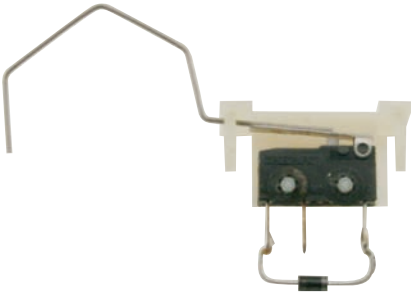
CHERRY

BALLSHOOTER
50-4007-00

ROLLOVER RIGHT HAND
50-4001-00



ROLLOVER LEFT HAND
50-4006-00



SPINNER RIGHT HAND
95-4180-00

Part Number		Price per ea.	L/25
50-4007-00	Ballshooter	2.95	2.60
50-4001-00	Rollover, Right Hand	2.70	2.40
50-4006-00	Rollover, Left Hand	3.75	3.15
95-4180-00	Spinner, Right Hand	3.45	3.05

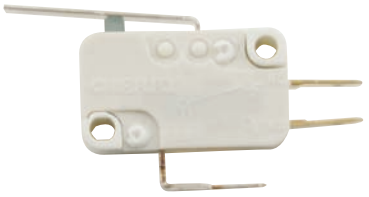
PINBALL SWITCHES WITH ACTUATORS

- Made with GOLD contact CHERRY switches for long reliable service
- Two types available: "Miniature" D4 series "Subminiature" DA3 series
- Fit most applications on recent pinball games
- OEM applications – Custom designed switches also available, please inquire

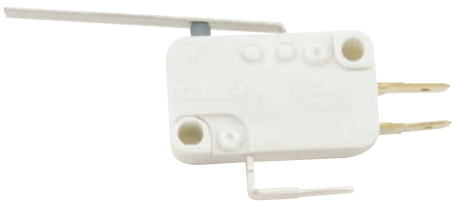
CHERRY

MINIATURE SWITCHES

OUTHOLE MEDIUM
95-4177-00
- 1.06" Actuator



KICK SWITCH
95-4155-00
- 1.5" Actuator

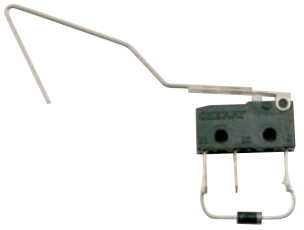


OUTHOLE LARGE
95-4152-00

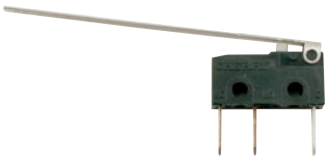
Part Number		Price per ea.	L/25
95-4177-00	Outhole Switch, Medium	2.95	2.40
95-4155-00	Kick Switch	4.00	2.65
95-4152-00	Outhole Switch, Large	4.25	3.55

SUBMINIATURE SWITCHES

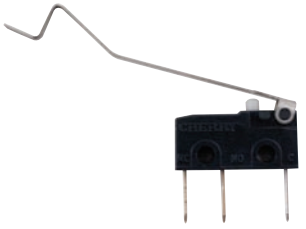
BALL SHOOTBACK
95-4225-00



OUTHOLE SMALL
95-4141-00
- 2.25" Actuator



RAMP SWITCH
95-4140-00



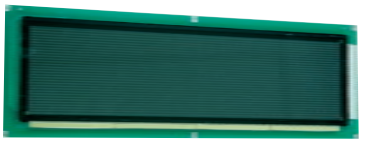
BALL DETECT
95-4142-00

Part Number		Price per ea.	L/25
95-4225-00	Ball Shootback	3.70	3.25
95-4141-00	Outhole Switch, Small	2.75	2.20
95-4140-00	Ramp Switch	2.75	2.20
95-4142-00	Ball Detect Switch	2.75	2.20

We have over 50 salespeople to help you get the right parts and supplies you need!
Call 888-BUY-HAPP
LOCATE A SALES REP NEAR YOU!
HAPP®

DOT MATRIX DISPLAY

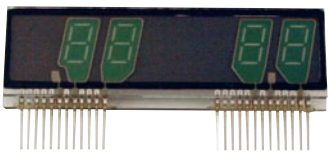
- Complete assembly
- Glass mounted on PCB ready to use



Part Number		Price per ea.	L/5
49-7003-3	Dot Matrix Display 128 x 32	147.10	141.85

DISPLAYS

- Glass and Pins only
- Used to replace original OEM equipment
- Various types available



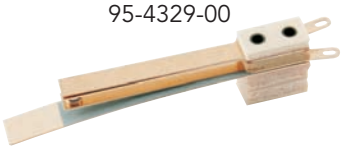
Part Number		Price per ea.	L/5
49-7017-00	4-Digit Numeric Display	42.85	38.60
49-7001-00	6-Digit Numeric Display	46.95	44.95
49-7002-00	7-Digit Numeric Display	64.95	59.95
49-0478-00	7-Digit Alpha Numeric Display	64.95	59.95
49-7000-00	16-Digit Alpha Numeric Display	107.95	99.95

PINBALL LEAF SWITCHES

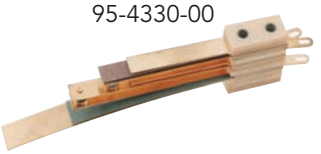
- Made from best quality materials for long life
- For Williams Games
- Tungsten contacts
- Fit many applications

LANE CHANGE SWITCH
95-4329-00

END OF STROKE SWITCH
95-4330-00



SINGLE CONTACT FLIPPER SWITCH
95-4328-00



DOUBLE CONTACT FLIPPER SWITCH
95-4327-00

Part Number	Ref. Number		Price per ea.	L/10
95-4329-00	SW1A150	Lane Change Switch	5.80	5.80
95-4330-00	03-7811A	End of Stroke Switch	2.45	2.35
95-4328-00	SW10A48	Single Contact Flipper Switch	6.20	6.20
95-4327-00	SW1010A-13	Double Contact Flipper Switch	9.98	8.89
95-0468-00	180-5124-01	Data East/Sega, New Style	5.05	6.15
SW1A194	SW1A194	Williams	2.70	2.25

PINBALL PLAYFIELD GLASS

- 3/16" thick
- Tempered glass for safety
- Each playfield glass packaged individually in it's own cardboard box, two per carton
- Minimum order is one carton of two

Part Number		Price per ea.
660-5001-00	Pinball Playfield Glass 21"(W) x 43"(L)	59.65

PINBALL PLAYFIELD MINI MARS LIGHT

- Adds attractive light and colors to any pinball or redemption type game
- Williams Ref. 03-8149-XX
- Sega Ref. 550-5031-XX

COLOR CODE XX = Color	
10T = Red	15T = Yellow
12T = Blue	17T = Amber
13T= Green	18 = Clear
14T= Purple	19T = Orange

Part Number		Price per ea.	L/25
49-5017-XX	Mini Mars Light Translucent, Specify Color	3.35	3.35

PINBALL PLAYFIELD STARBURST HAT LIGHT

- Adds attractive light and colors to any pinball or redemption type game
- Williams Ref. 03-8662-X
- Sega Ref. 550-5032-XX

COLOR CODE XX = Color	
10T = Red	15T = Yellow
12T = Blue	17T = Amber
13T= Green	18 = Clear
14T= Purple	19T = Orange

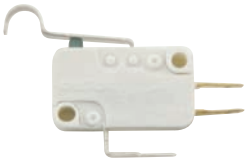
Part Number		Price per ea.	L/25
49-5018-XX	Starburst Hat Light Translucent, Specify Color	.98	.93

HEAVY-DUTY PINBALL CART

- Lower height design, to fit under all types of Pinball Machines
- Gas filled cylinder, will not leak when lift is placed upon it's side
- Wider pivot point to eliminate "wobble" when moving equipment
- High quality Nylon locking nuts provide ease of maintenance
- Durable MIG welded Canadian 1/8" steel
- 4 Heavy-duty swivel casters, 275 lbs. capacity each, individually replaceable
- Lift height: 26"
- Physical Size: 16" Wide x 4' long x 19.5" High
- Load Capacity: 600 lbs.
- Shipping Weight: 75 lbs
- This item has to be shipped by truck to avoid damage
- Durable Black Powder Coated Surface

Part Number		Price per ea.
33-1114-10	Heavy-Duty Pinball Cart	509.95
33-1180-00	3" Replacement Caster	12.95

PINBALL REPLACEMENT PARTS FOR SEGA / DATA EAST / STERN



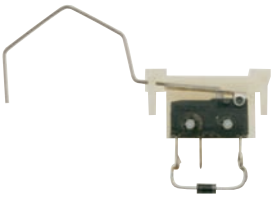
95-4165-00

95-4155-00

95-4152-00

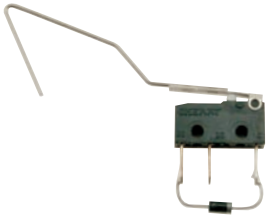
Right
95-0800-00

515-5000-02



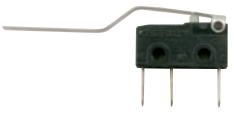
Left
50-4006-00

515-5051



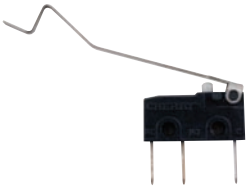
95-4225-00

95-4172-00



95-4253-00

95-4141-04

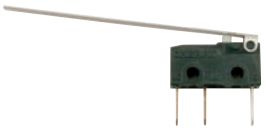


95-4140-00

Happ Part No.	Sega Part No.		Price per ea.
110-0106-00	110010600	Trans P20n10	7.45
180-5054-00	1805054	Switch Slingshot	4.60
180-5149-00	180-5149	End of Stroke Switch	4.95
95-0418-00	180511601	Switch Vuk-fork Actuator	7.15
260-0009-01	2600009	Roller Wheel Wacky Gator	11.25
265-5029-00	265-5029	Spring Flipper Return Spring	7.20
265-5035-00	265-5035-00	Flipper return spring	1.95
266-5010-00	266-5010	Outside Plunger Compression Spring	2.25
266-5020-00	266-5020	Spring on Vertical Up Kicker	.85
46-F210-18	500813801	Drop Target	6.49
50-4001-00	515-5138-00	Rollover switch, right	2.70
50-4006-00	500-5142-00	Rollover switch, left	3.75
515-0040-00	515-0040	Mallet Wacky Gator	60.00

Happ Part No.	Sega Part No.		Price per ea.
515-5000-02	515-5000-02	Plunger kickback	13.75
515-5051	515-5051	Plunger link & pawl universal	29.80
515-5129-00	515-5129	Coil Stop Monday Night Football	6.15
515-5338-00	515-5338	Plunger and Link Slingshot	9.65
515-5822-00	515-5822	Plunger and Link	13.95
515-5941-01	515594101	Plunger	26.10
515-6304-01	515-6304-01	Flipper plunger & link	7.65
515-6308-01	515-6308-01	Coil stop sub assembly	5.80
515-6496-00	515649600	Motor & Cable - Terlet Ctc	125.00
515-6518-00	515651800	Plunger/Link/crank Rh N/s	22.55
515-6518-01	515651801	Plunger/Link/crank Lh N/s	26.95
520-0097-00	520-0097	Sensor PCB Wacky and Cosmos	41.10

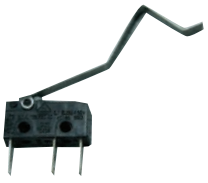
PINBALL REPLACEMENT PARTS FOR SEGA / DATA EAST / STERN CONTINUED...



95-4141-00

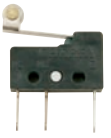
95-4142-00

95-4381-00



95-4178-00

53-7025-00



95-4138-00

95-0468-00

Happ Part No.	Sega Part No.		Price per ea.
53-7025-00	180-5000-00	Interlock P. B., .187 terminal	2.80
545-5038-00	545-5038	Rear Mounting Channel Playfield Glass	5.75
545-5070	545-5070	Flipper Bushing	1.25
545-5609-00	545-5609	Yoke Fibre	1.50
95-0311-00	180-5158-00	Switch	2.65
95-0468-00	180-5124-00	End of Stroke Flipper Switch Jurassic Park	5.05
95-0800-00	500-6227-02	Rollover Swirch, Right	2.65
95-4101-00	180-5116-00	Switch	3.20
95-4138-00	180-5119-01	Ball Through switch assembly	4.20
95-4140-00	180-5002-01	Ramp switch assembly w/o diode	2.75
95-4141-00	180-5010-00	Outhole Switch Assembly w/o diode	2.75

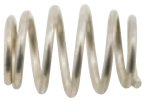
Happ Part No.	Sega Part No.		Price per ea.
95-4141-04	180-5010-04	Outhole switch assembly	1.95
95-4142-00	180-5028-00	Ball detect switch	2.75
95-4152-00	180-5011-00	Outhole switch, large	4.25
95-4155-00	180-5040-00	Kick switch	4.00
95-4165-00	180-5052-00	Motor Cam switch assembly	2.50
95-4177-00	180-5009-00	Outhole medium switch	2.95
95-4178-00	180-5057-00	High ramp switch assembly	2.20
95-4225-00	180-5069-00	Ball shootback switch	3.70
95-4381-00	500-5706-00	Rollover switch, left	2.75

PINBALL REPLACEMENT PARTS FOR PREMIER

Part Number		Price per ea.
25956	Plunger and Link New Style	2.00
91-1124-10	Miniature Lamp Premier #597	.31

PINBALL REPLACEMENT PARTS FOR WILLIAMS GAMES

20-9250-6


25-1326-00

236579

49-0587-00

A-12390

FI-11630-50V

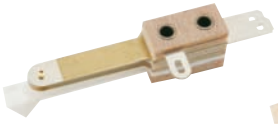
A17050L

A17050R

A15847

A15848R

SW1010A-13


SW1A150

SW10A48

A15848L

Part Number		Price per ea.
01-3535	Plate	1.10
01-4251	Fiber Outhole Link	1.10
545-5609-00	Armature Link	1.50
01-8065	Shuffle Alley Front Molding Long Stroke	29.45
515-5097-00	Bushing Flipper Link	1.60
03-6035-4	Bumper Skirt Red	1.20
037066	Coil Sleeve 1-3/4" AE23800	.57
0370665	Flipper Coil Sleeve 2-3/16"	.33
03-7067	Coil sleeve with flange 1-7/8"	.53
03-7067-5	Sleeve (Coil)	.79
0370665	Flipper coil sleeve	.33
03-7395	Spoon	.65
545-5197-00	Bumper Body	2.50
122C0001	Flipper bushing	.90
03-8050-01	Flipper link, gray	.73
03-8091	Rear Molding 21 x 43 Glass	5.50
03-8229-1	Glass Lift Channel	5.05
03-8254-10	Bumper Cap Blue	2.15
03-8254-13	Bumper Cap Clear	.95
03-8319-09	Post Red	.95
03-8470	Sector	3.65
03-8749	Drop Target Indiana Jones	1.85
03-8750	Drop Target Millionaire	2.00
10-135	Spring	1.35
10-148-2	Spring Shooter Red Long	.75
10-326	Spring-Jet Bumper	.45
10-376	Flipper spring	.43
11-7357	Nylon shooter sleeve	.67
12-6801	Clip coin mechanism retainer for	1.25
14-7988	Motor Indiana Jones	95.00
178400-001	Ball for Hoop It Up - Orange	2.00
20-10197	Magnet	20.95
20-8718-1	E-Ring for shooter rod	.27
20-9250-5	Flipper and shaft assembly, white	2.40

Part Number		Price per ea.
20-9250-6	Flipper and shaft assembly, yellow	2.40
20-9253-7	Ball shooter rod with black knob	6.10
21-6645-1	Shooter Rod Housing	9.15
23-6556	Black Rubber Sleeve (Thin)	.30
96-0309-00	Plugs	.30
236579	3/4" Yellow Tapered Rubber Bumper	1.80
91-0950-00	Socket (Push and Turn)	.47
25-1018-01	White rubber ring 7/32"	.37
25-1326-00	Barrel Spring	.65
04-11140	Test/Diagnostic Switch Coin Door	4.23
27-1037	Coin eject button	1.40
27-1061	Coin Return Bezel	4.99
31-1357-20017	Backglass Adams Family	107.00
31-1445.1	Bowling pin for shuffle alley	3.20
31-1765-comp	Plastic Set	130.00
4322-01125-40	Leg Bolt	.53
4700-00051-00	Washer ball Shooter	.32
49-0587-00	1-1/16" Pinball	1.65
50-2033-05	Yellow rubber bumper 1/2" O.D. .260 I.D.	.52
62-0153-00	Cap	11.55
5045-12098-00	Capacitor Flipper Assembly 2.2M	1.60
5100-09690-00	35 Amp Bridge	5.40
5163-14114-00	Photo Transistor	1.55
5490-10159-00	Opto Interrupter S1945	1.35
5490-12451-00	Opto Interrupter S1865	2.10
5490-13341-00	Opto	3.75
5671-12731	Infra Rred LED Diode	5.05
5881-09021-00	Battery holder for MPU (3 "AAA" batteries)	7.75
95-0086-00	Generic Ball Shooter Assembly	17.70
95-0328-00	Tilt Bob	10.95
95-0693-00	Switch 5647-12693-31	2.95
95-0944-00	Switch 5647-12693-19	2.75
95-0984-00	Kicker Assy. w/coil & bracket A-15708	34.35
95-4327-00	Flipper switch double contact (replaces SW1010A-13)	9.98

PINBALL REPLACEMENT PARTS FOR WILLIAMS GAMES CONTINUED...

Part Number		Price per ea.
95-4328-00	Cabinet Switch	6.20
95-4330-00	End of Stroke Switch Stacked	2.45
A-12390	Coil stop	1.50
A-13524-1	Flipper Kit	31.50
A-14231	Opto LED Transmitter Green	2.25
A-14690-4-P	Target Stationary Red	6.45
A-15709	Bell Armature	11.80
A15848L	Plunger, Link, and Pawl Left	7.65
A15848R	Plunger, LInk, and Pawl Right	7.65
A17050L	Left Flipper Crank Assembly	4.85
A17050R	Right Flipper Crank Assembly	4.85
A-19514	Leg, Chrome	14.35
A-4754	Rod and ring for thumper bumper	5.65
A15847	Plunger and link	2.25
A15848L	Plunger, link and pawl assembly, left	7.65
A15848R	Plunger, link and pawl assembly, right	7.65
A-15849-L-2	Flipper Assembly Blue Coil	38.05
A17050L	Flipper Crand Assembly	4.85
A17050R	Flipper crank assembly for World Cup Soccer	4.85
A-17767	Bell Armature Assembly	6.80

Part Number		Price per ea.
A-19514	Leg Assembly Chrome Leg	14.35
A-4754	Rod and Ring	5.65
A5103	Plunger	2.46
A-6306-2	Plunger for Ball Kicker	8.05
AE23800	Coil	7.05
AE-23-800-04	Coil	7.05
AE-24-900	Coil	7.05
AE-25-1000	Coil Assembly	7.05
AF25-500/28-100	Bally coil	9.25
AQ25-500/34-5050	Bally flipper coil	9.30
B-12001-1	Blue Target	5.83
B-13104-L	Flipper Base Left Terminator	7.85
B-13104-R	Flipper Base Right Terminator	7.40
FL11629	Coil	9.85
FL11630-50V	Coil	8.80
FL-11722	Flipper coil	9.25
FL-11753	Flipper coil	9.25
SA-23-850-DC	Coil	7.05
SFL19400/30750	Flipper coil	9.85
SW1A194	End of stroke switch	2.70

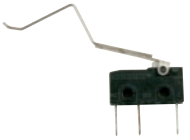
HAPP SELLS BRAND NAME QUALITY

REPLACEMENT WILLIAMS PINBALL SWITCHES

95-4177-00

95-4142-00

95-0963-00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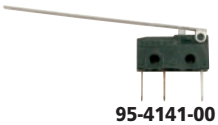
95-1895-00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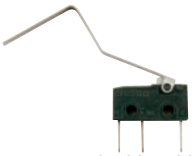
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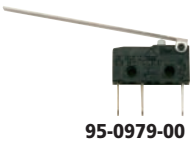
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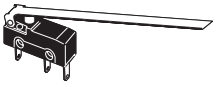
95-0947-00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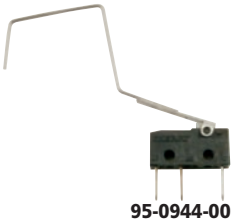

95-0944-00

95-1131-00

Part Number	Williams P/N	Description	Price per ea.
95-4177-00	5647-09957-00	Switch, OUTHOLE, MEDIUM	2.95
95-1895-00	5647-10915-00	Switch Assy DA3 Type	3.20
95-4142-00	5647-12693-06	Switch Assy Ball Detect	2.75
95-4141-10	5647-12693-07	Switch Assy Outhole without Diode	2.75
95-0957-00	5647-12693-13	Switch Assy DA3 Type	3.45
95-0944-00	5647-12693-19	Switch Assy DA3 Type	2.75
95-0963-00	5647-12693-21	Switch Assy DA3 Type	2.95
95-1128-00	5647-12693-25	Switch Assy DA3 Type	3.00

MR. PINBALL - PINBALL MACHINE LIST

- This publication contains important information about all pinball machines made since the flipper was invented in 1947. This is the most popular list among serious pinball machine collectors.
- Updated pricing / value information
- Contains four sections:

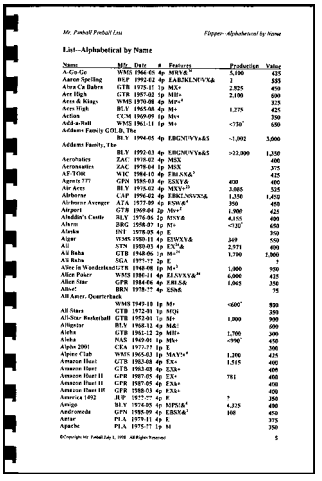
Flipper pinball machines sorted alphabetically by machine name

Flipper pinball machines sorted chronologically by manufacturer

Baseball pinball machines sorted alphabetically by name

Bingo pinball machines sorted alphabetically by name

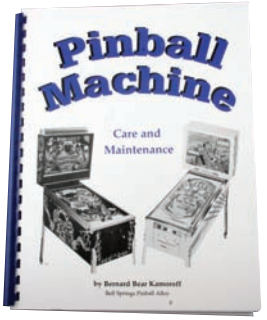
- All sections provide information about each type of machine, usually including name, manufacturer, date released, number of players, distinguishing features, production numbers, and value.
- This is the most comprehensive and accurate list available.
- Wire bound, 8.5"x5.5", 108 pages perfect for carrying with you everywhere
- Editions are updated yearly, so be sure to get the latest edition



Part Number		Price per ea.
27-1308-00	Mr. Pinball Machine List	19.45

PINBALL MACHINE CARE AND MAINTENANCE

- This useful pinball guide book by Bernard Kamoroff covers a large range of topics from the history of pinball to buying a pinball machine
- Over 100 pages
- A must have for every pinball collector or enthusiast
- A wealth of valuable information and step-by-step help
- Packed with tips and clear instructions
- Covers electro-mechanical & solid state machines
- Novice or a Professionals will want this book in their library
- Makes a perfect gift for the pinball enthusiast



Part Number		Price per ea.
27-0099-00	Pinball Machine Care and Maintenance	28.90

PLAYFIELD CLEANERS & POLISHES

Novus Cleaner & Polish

- Cleans and protects playfield surface for long life
- Special formula removes light to heavy scratches in playfields and plexiglass
- Recommended by major pinball manufacturers

Mills Pinball Playfield Wax & Cleaner

- Excellent one step non-abrasive playfield wax and cleaner
- Great cleaner for rubber rings
- 16 oz. squeeze btl.,12 per case

Wildcat #125 Playfield Cleaner & Polish

- Excellent in cleaning pinball playfields
- Excellent for removing and cleaning up wax buildup in vending machines "price tab holders"
- New style bottle prevents evaporation
- 12 per case

Gemini CP-100 playfield Cleaner & Polish

- Excellent for playfields, pool balls, rubber rings, etc.

NOVUS CLEANER & POLISH		Price per ea.	Price per case
25-1328-00	Novus #1, 8 oz. bottle, 24 per case	4.60	4.10
25-1329-00	Novus #2, 8 oz. bottle, 24 per case	6.25	5.65
25-1334-00	Novus #3, 8 oz. bottle, 24 per case	8.30	7.50
25-1330-00	Novus #1, 64 oz. bottle, 12 per case	14.45	13.00
25-1331-00	Novus #2, 64 oz. bottle, 12 per case	32.15	28.95

MILLS PINBALL PLAYFIELD WAX & CLEANER		Price per ea.	L/12
29-1040-00	Mills Pinball Playfield Wax & Cleaner	8.50	7.65

WILDCAT #125 PLAYFIELD CLEANER & POLISH		Price per ea.	L/12
25-1333-00	Cleaner & Polish (Pint Size)	14.80	13.30

GEMINI CP-100 PLAYFIELD CLEANER & POLISH		Price per ea.	Price Full case
29-1095-00	Cleaner & Polish (16 oz.), case/12	8.30	7.45
29-1051-00	Cleaner & Polish (8 oz.), case/24	4.55	4.10

LOCKS

ECONOMY SINGLE BITTED LOCKS

- Used on most types of coin-operated equipment
- Economical single-bitted, 5-disc, tumbler lock
- Great for O.E.M. applications or as a general replacement lock
- Strong, dependable die-cast construction
- 90 degree turn that allows the key to be removed only in the locked position
- Keyed different locks come with 2 keys per lock and a 1-1/4" straight cam
- Keyed alike locks come with 1 key per lock and a 1-1/4" straight cam

Part Number	Length	Keying	Key #	Price per ea.	L/50	L/100
30-2224-XXX	5/8"	Keyed Alike	New #	2.95	2.80	2.70
30-2224-KD	5/8"	Keyed Different	–	3.05	2.85	2.75
30-2224-631	5/8"	House Keyed Alike	631	3.05	2.95	2.85
30-2224-679	5/8"	House Keyed Alike	679	2.95	2.80	2.70
30-2224-695	5/8"	House Keyed Alike	695	3.05	2.95	2.85
30-3141-KD	7/8"	Keyed Different	–	2.85	2.75	2.60
078KD	7/8"	Keyed Different	-	2.95	2.80	2.70
30-3142-220	7/8"	Keyed Alike	220	4.40	4.10	3.70
30-3142-E002	7/8"	Keyed Alike	E002	3.50	3.30	2.85
30-2225-631	7/8"	House Keyed Alike	631	3.05	2.95	2.85
30-2225-641	7/8"	House Keyed Alike	641	3.05	2.95	2.85
30-2225-644	7/8"	House Keyed Alike	644	2.95	2.80	2.70
30-2225-679	7/8"	House Keyed Alike	679	2.80	2.70	2.55
30-2225-695	7/8"	House Keyed Alike	695	3.05	2.95	2.85
30-4720-SB96	7/8"	House Keyed Alike	SB96	3.55	3.35	2.95
30-4721-SB97	7/8"	House Keyed Alike	SB97	3.55	3.35	2.95
30-4723-SB99	7/8"	House Keyed Alike	SB99	3.55	3.35	2.95
118KD	1-1/8"	Keyed Different	-	2.95	—	—
30-3143-KD	1-1/8"	Keyed Different	–	3.05	2.85	2.75
118KS220	1-1/8"	Keyed Alike	220	4.35	4.25	3.65
30-3144-E002	1-1/8"	Keyed Alike	E002	4.40	4.10	3.70
30-2226-631	1-1/8"	House Keyed Alike	631	3.05	2.95	2.85
30-2226-641	1-1/8"	House Keyed Alike	641	3.05	2.95	2.85
30-2226-644	1-1/8"	House Keyed Alike	644	2.95	3.05	2.85
30-2226-679	1-1/8"	House Keyed Alike	679	2.95	2.80	2.70
30-2226-695	1-1/8"	House Keyed Alike	695	3.05	2.95	2.85
30-4724-SB96	1-1/8"	House Keyed Alike	SB96	3.85	3.55	3.35
30-4725-SB97	1-1/8"	House Keyed Alike	SB97	3.85	3.55	3.35
30-3144-SB99	1-1/8"	House Keyed Alike	SB99	3.85	3.55	3.35
30-3156-XXX		Keys Only, for K.A. Locks		2.00	—	—

MINIMUM LOCK ORDER POLICY

For Cam Type or Inner Cylinder Locks

New keyed alike series: Minimum 25 locks

Reorders of keyed alike locks: Minimum 10 locks

ECONOMY DOUBLE BITTED LOCKS

NEW

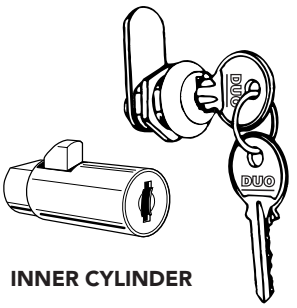
- High quality, double-bitted 6-disc tumbler locks provide added security
- 1-1/4" straight star cam locks in any position
- Utilizes a screw, not a nut
- 90 degree turn with a 12-3 key pull
- Ships complete, poly bagged and assembled with 2 keys
- Keyed alike
- Unique registered codes available upon request, 5,000 piece minimum quantity

Part Number	Length		Key #	Price per ea.
30-2224-A05	5/8"	Lock Assembly (A05)	-	3.50
30-2224-B10	5/8"	Lock Assembly (B10)	-	3.50
30-2224-C15	5/8"	Lock Assembly (C15)	-	3.50
30-2224-D20	5/8"	Lock Assembly (D20)	-	3.50
078DS7515	7/8"	Keyed Alike Locks	7515	4.25
078DS7516	7/8"	Keyed Alike Locks	7516	4.25
078DS7517	7/8"	Keyed Alike Locks	7517	6.05
078DS7518	7/8"	Keyed Alike Locks	7518	6.05
078DS7519	7/8"	Keyed Alike Locks	7519	1.78
078DS7520	7/8"	Keyed Alike Locks	7520	1.65
078DS7521	7/8"	Keyed Alike Locks	7521	1.65
078DS7522	7/8"	Keyed Alike Locks	7522	1.65
078DS7523	7/8"	Keyed Alike Locks	7523	1.65
078DS7524	7/8"	Keyed Alike Locks	7524	1.65
078DS7525	7/8"	Keyed Alike Locks	7525	2.99
078DS7526	7/8"	Keyed Alike Locks	7526	1.55
078DS7527	7/8"	Keyed Alike Locks	7527	6.05
078DS7528	7/8"	Keyed Alike Locks	7528	2.99
078DS7529	7/8"	Keyed Alike Locks	7529	2.50
30-2225-A05	7/8"	Lock Assembly (A05)	-	3.60
30-2225-B10	7/8"	Lock Assembly (B10)	-	3.60
30-2225-C15	7/8"	Lock Assembly (C15)	-	3.60
30-2225-D20	7/8"	Lock Assembly (D20)	-	3.60
118DS7515	1-1/8"	Keyed Alike Locks	7515	2.68
118DS7516	1-1/8"	Keyed Alike Locks	7516	1.78
118DS7517	1-1/8"	Keyed Alike Locks	7517	6.05
118DS7518	1-1/8"	Keyed Alike Locks	7518	1.78
118DS7519	1-1/8"	Keyed Alike Locks	7519	1.78
118DS7520	1-1/8"	Keyed Alike Locks	7520	2.01
118DS7521	1-1/8"	Keyed Alike Locks	7521	2.68
118DS7522	1-1/8"	Keyed Alike Locks	7522	2.68
118DS7523	1-1/8"	Keyed Alike Locks	7523	1.78
118DS7524	1-1/8"	Keyed Alike Locks	7524	1.78
118DS7525	1-1/8"	Keyed Alike Locks	7525	3.99
118DS7526	1-1/8"	Keyed Alike Locks	7526	2.12
118DS7527	1-1/8"	Keyed Alike Locks	7527	6.05
118DS7528	1-1/8"	Keyed Alike Locks	7528	3.99
118DS7529	1-1/8"	Keyed Alike Locks	7529	3.99
30-2226-A05	1-1/8"	Lock Assembly (A05)	-	3.75
30-2226-B10	1-1/8"	Lock Assembly (B10)	-	3.75
30-2226-C15	1-1/8"	Lock Assembly (C15)	-	3.75
30-2226-D20	1-1/8"	Lock Assembly (D20)	-	3.75
30-0440-18	1-1/8"	Spare Cam w/1/8" offset	-	.30

LOCKS

DUO CAM LOCKS, TRIPLE BITTED

- High security, 14 tumbler mechanism
- For existing key series, see your sales representative
- Keyed Different locks come with 2 keys per lock and a 1-1/4" straight cam
- Keyed Alike locks come with a 1-1/4" straight cam
- Keys must be purchased separately for Keyed Alike locks



INNER CYLINDER

Part Number	Length	Keying	Price per ea.	L/50	L/100
30-1134-XXX	5/8"	Keyed Alike	16.75	16.45	15.40
30-1134-KD	5/8"	Keyed Different	16.75	16.45	26.50
30-1138-KD	7/8"	Keyed Different	16.75	16.45	15.40
30-1142-KD	1-1/8"	Keyed Different	16.75	16.45	15.40
30-1898-XXX	Inner Cylinder	Keyed Alike	16.75	16.45	15.40
30-1898-KD	Inner Cylinder	Keyed Different	16.75	24.95	23.95

FORT LOCKS, DOUBLE BITTED

- Double bitted locks offer a higher security than single bitted locks
- High-quality, bright finish die-cast metal construction
- Key turns 90 degrees
- Key may be removed only in the locked position
- Keyed Different locks come with 2 keys per lock and a 1-1/4" straight cam
- Keyed Alike locks come with 1 key per lock and a 1-1/4" straight cam

Part Number	Length	Keying	Key #	Price per ea.	L/50	L/100
30-3146-XXX	7/8"	Keyed Alike	New #	4.65	4.55	4.40
30-3145-KD	7/8"	Keyed Different	–	4.55	4.40	4.30
30-3148-XXX	1-1/8"	Keyed Alike	New #	4.75	4.65	4.55
30-3147-KD	1-1/8"	Keyed Different	–	4.95	4.85	4.65
30-3149-XXX	Keys Only, for Keyed Alike Locks			2.10	–	–

KEYLESS THUMB TURN CAM LOCKS

NEW

- Useful for shipping coin-op cabinets to prevent door from opening in transit
- 90 degree (1/4 turn) rotation to lock/unlock
- Nickel finish zinc alloy housing and handle
- Includes hex nut, cam nut and cam
- Double punched 1-1/4" straight cam allows fitting at 3,6,9, or 12 o'clock position
- Available in 5/8" or 7/8" cylinder lengths

Part Number		Price per ea.
30-0325-00	5/8" Length Keyless Cam Lock	2.49
30-0324-00	7/8" Length Keyless Cam Lock	2.69

MINIMUM LOCK ORDER POLICY

For Cam Type or Inner Cylinder Locks

New keyed alike series: Minimum 25 locks
reorders of keyed alike locks: minimum 10 locks

GEMATIC TYPE LOCKS

- This high-security, 'top of the line' lock has an 8-Pin tumbler mechanism.
- Programmable combinations allow you to change the combinations, on the spot, in just seconds.
- Saves replacing the entire lock in case a key is lost or stolen.
- Gematic type locks consist of 8 different lock combinations
- Comes with 1-1/4" straight cam
- A gold finished change key makes identification easy
- Operating keys and Change keys must be ordered separately

Part Number	Length	Keying	Price per ea.	L/50	L/100
30-1600-XXX	5/8"	Keyed Alike	15.50	15.05	14.55
30-1602-XXX	7/8"	Keyed Alike	15.95	15.50	15.05
30-1604-XXX	1-1/8"	Keyed Alike	16.85	16.30	15.75
30-1608-XXX	Inner Cylinder	Keyed Alike	15.75	15.20	14.80
30-1626-XXX	Keys, #1 thru #8		2.10	–	–
30-1624-XXX	Change Key		2.30	–	–

HAPP 7 PIN TUMBLER LOCKS

- 7-pin tumbler locks provide high security
- Bright chrome finish
- 90 degree turn
- Key can only be removed in the locked position
- Keyed Different locks come with 2 keys per lock and a 1-1/4" straight double D/double ended cam
- Keyed Alike locks come with a 1-1/4" straight double D/double ended cam
- Keys for Keyed Alike locks must be purchased separately
- Locks can be keyed to your existing 7 pin tubular key. Must send sample key
- Most Keyed Alike lock orders can be shipped within 48 hours
- For your added protection, any code issued by Happ can be restricted in our computer system exclusively to your company

INNER CYLINDER

Part Number	Length	Keying	Key #	Price per ea.	L/50	L/100
30-2201-XXX	5/8"	Keyed Alike	New #	6.25	6.10	5.80
30-2202-KD	5/8"	Keyed Different	–	5.90	5.50	5.15
30-2203-XXX	7/8"	Keyed Alike	New #	6.30	6.15	5.85
30-2203-KD	7/8"	Keyed Different	–	6.20	5.90	5.50
30-2206-XXX	1-1/8"	Keyed Alike	New #	6.40	6.20	5.90
30-2207-KD	1-1/8"	Keyed Different	–	6.40	6.20	5.90
30-2210-XXX	Keys only for keyed alike locks			2.00	–	–

Note: 3/8" Also Available

Inner Cylinder (I.C.)

30-2481-KD	I.C.	Keyed Different	9.85	9.35	9.00
30-2481-SP802	I.C.	House Keyed Alike 802	10.05	9.55	9.20
30-2481-PL505	I.C.	Keyed Alike			
30-2481-SP804	I.C.	House Keyed Alike 804	9.85	9.35	9.00
30-2210-XXX	Keys only for keyed alike locks		1.75	–	–

- Note: We can also re-key your existing locks

LOCKS

SWITCH LOCKS

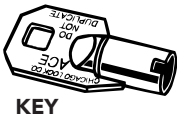
- Key is removable in OFF position only
- Momentary or ON/OFF available
- Double bitted keys are keyed alike #2341 with 2 keys per lock
- Spade terminals
- Barrel length: 1.0635"
- Overall length 2.03"
- 4 amps/125VAC, amps/250VAC

Part Number		Price per ea.
30-1086-00	Momentary Switch Lock Key is removable only in the OFF position	7.30
30-1086-01	On/Off Switch Lock Key is removable only in the OFF position	7.30

FLEX-ACE PARTS FOR CHANGING KEY COMBINATIONS

- Allows you to change the tumblers in the lock without removing the lock from the cabinet.
- Keep additional coders and keys to change key combinations quickly.
- Order new tumbler combinations to be shipped in coder with keys cut to the new combination.
- Remove lock cap from unlocked old lock with release pin and insert new tumblers with the loading tool.

RELEASE PIN



KEY

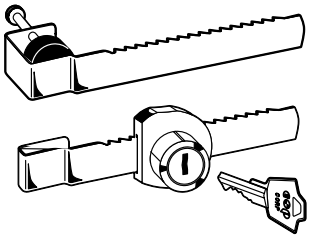
PRE-LOADED CODER

LOADING TOOL

Part Number		Price per ea.
30-1084-00	Loading Tool for Flex-Ace Coders	11.80
30-1085-00	Release Pin for Flex-Ace Coders	2.10

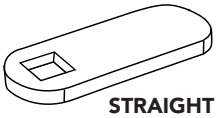
SHOWCASE SLIDING LOCK ASSEMBLY

- Used for locking sliding glass doors, showcases, display cases, etc.
- Brite chrome finish resists rust and corrosion
- 3-1/2" locking slide
- Includes 2 keys, keyed alike

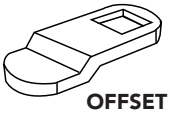


Part Number		Price per ea.	L/6
30-2194-ES202	Showcase Sliding Lock Assembly	12.45	11.55

ECONOMY LOCK CAMS



STRAIGHT

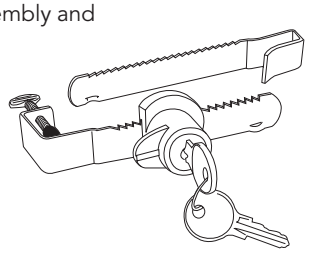


OFFSET

Part Number	Type	Length	Offset	Price per ea.
30-2227-00	Offset	1-1/8"	1/4"	.65
30-2227-01	Offset	1-3/8"	1/4"	.65
30-2227-02	Offset	1-1/2"	1/4"	.98

SHOWCASE SLIDING LOCK ASSEMBLY

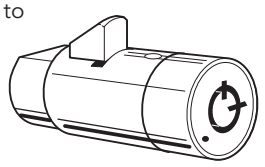
- Includes: 2 one-way bars, lock assembly and two keys
- Keyed alike, key # 221
- Works with wood or glass
- 90 degree key turn to open
- Key is removable at 12:00 & 3:00 positions
- Removable cylinder for re-keying
- Anti-spread housing
- Manufactured by National Cabinet Lock
- Other key codes available



Part Number		Price per ea.	L/6
30-2194-221	Showcase Sliding Lock Assembly	12.45	11.55

FLEX-ACE INNER CYLINDER LOCKS

- Flex-Ace Quick-Change locks allows you to change tumbler combinations, at the location, quickly and easily.
- Enables you to key all your equipment to one key number
- Keys sold separately



Part Number	Length	Keying	Price per ea.	L/50	L/100
30-1875-XV 13086	1-5/8"	Keyed Alike	14.45	13.65	13.00

REPLACEMENT CAMS FOR ACE, GEM & GEMATIC LOCKS

STRAIGHT

DOUBLE ENDED

OFFSET

Part Number	Type	Length	Offset	Price per ea.
30-1037-00	Straight	1"	—	.75
30-1525-000	Straight	1-1/8"	—	.65
42-0440-00	Straight	1-1/4"/Double D	—	.70
30-1813-00	Straight	1-5/16"	(Center Hole)	.64
30-1527-000	Straight	1-1/2"	—	.65
30-1076-00	Straight	1-5/8"	—	.71
30-1075-00	Straight	1-5/8"	(Center Hole)	.74
30-1528-000	Straight	1-3/4"	—	.75
30-2115-00	Straight	2"	—	.75
30-1035-00	Straight	2 1/4"	—	.75
30-3803-40	Straight	2 1/2"	—	.75
30-1110-00	Offset	1-1/8"	1/8"	.65
30-1021-00	Offset	1-1/8"	3/8"	.85
30-1111-00	Offset	1-1/4"	1/4"	.85
30-1536-000	Offset	1-5/8"	1/4"	.85
30-1117-00	Offset	1-5/8"	7/16"	.85
30-3804-00	Offset	2"	1/4"	.98

LOCK CAMS FOR FORT LOCKS

Part Number		Price per ea.
30-0007-14	Length 1-1/4", With Offset	.45
495180	Length 1-1/2", With Offset	.55

ACE LOCK STYLE LOCKS

- 1 Key Per Lock
- Keyed Alike

Part Number	Key #	Length	Price per ea.
078RDE0001	E000001	7/8″	4.79
078RDE0002	E000002	7/8″	4.75
078RDE0003	E000003	7/8″	3.70
078RDE0004	E000004	7/8″	3.49
078RDE0005	E000005	7/8″	4.75
078RDE0006	E000006	7/8″	3.49
078RDE0007	E000007	7/8″	4.99
078RDE0008	E000008	7/8″	4.50
078RDE0010	E000010	7/8″	3.99
118RDE0001	E000001	1-1/8″	6.05
118RDE0002	E000002	1-1/8″	6.05
118RDE0003	E000003	1-1/8″	6.25
118RDE0004	E000004	1-1/8″	2.93
118RDE0005	E000005	1-1/8″	4.59
118RDE0006	E000006	1-1/8″	2.93
118RDE0007	E000007	1-1/8″	5.95
118RDE0008	E000008	1-1/8″	4.75
118RDE0009	E000009	1-1/8″	3.99
118RDE0010	E000010	1-1/8″	4.99

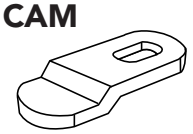
DUO LOCK CAMS

STRAIGHT **OFFSET**

Part Number	Type	Length	Offset	Price per ea.
30-1191-100	Straight	1"	—	1.09
30-1192-1250	Straight	1-1/4"	—	.93
30-1440-00	Straight	1-1/2"	—	.70
30-1192-1750	Straight	1-3/4"	—	.99
30-1195-11250S	Offset in	1-1/8"	5/16"	1.55
30-1870-00	Offset in	1-1/4"	1/4"	1.35
30-1871-1250S	Offset out	1-1/4"	1/4"	1.55

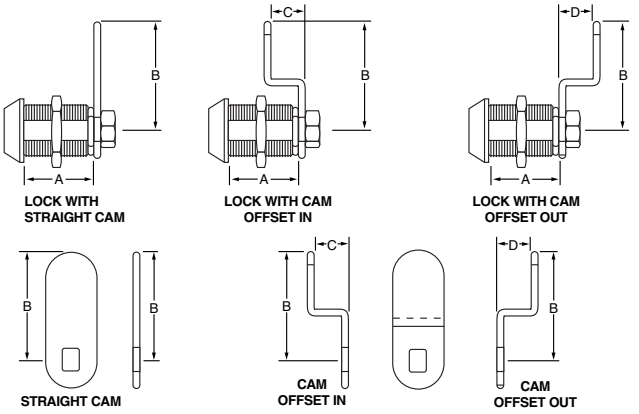
SPECIAL OFFSET CAM

- 90 degree stop
- Used on National Cigarette Machines
- 1″ L x 5/16″ offset



Part Number		Price per ea.
30-1022-00	90 Degree Offset Cam	.69

HOW TO MEASURE CAMS AND CAM LOCKS



A dimension is the cylinder length. Measure from the back of the lock head to the front of the cam.

B dimension is the cam length. Measure from center of cam hole to tip of cam.

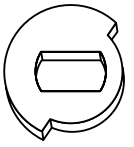
C or **D** dimension is the cam offset.

REPLACEMENT CAMS FOR FORT LOCKS

Part Number	Type	Length	Offset	Price per ea.
30-1863-00	Straight	1″	—	.65
30-1864-00	Straight	1-1/4"	—	.65
30-4901-60	Straight	1-1/2"	—	.65
30-1866-00	Straight	1-3/4"	—	.65
30-1867-00	Straight	2"	—	.65
30-1534-000	Offset	1"	1/4"	.65
30-1113-00	Offset	1-1/2"	3/8"	.75

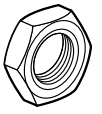
90 DEGREE CAM STOP FOR ACE LOCKS

- Stops the key in the 90 degree position
- Key is removable only in the locked position
- Minimum order 12



Part Number		Price per ea.
30-1802-00	Stop Cam, 90 Degree turn	.52

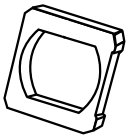
REPLACEMENT NUT FOR GEM-GEMATIC LOCKS



Part Number		Price per ea.
30-2287-00	Gem-Gematic Cam Nut	.18

LOCK CAM ADAPTERS

30-1106-00

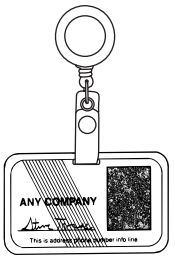


30-2003-00

Part Number		Price per ea.
30-1106-00	Cam Lock Adapter converts Chicago Cam to Ace, Abloy, Gem, or Medeco	.64
30-2003-00	Cam Lock Adapter converts Fort Cam to Ace, Abloy, Gem, or Medeco	.64

RETRACT-A-BADGE ID CARDHOLDER

- Great for holding security ID cards
- Adds user friendly efficiency to High-tech security
- Steel clip on back allows for easy attachment without damage to clothing
- 30" retractable nylon cord easily allows badge to be extended and swiped without removing
- Construction: 1-3/16" diameter plastic case, steel clip, 30" nylon cord and vinyl snap-closure cardholder



Part Number		Price per ea.	L/25	L/50
30-0142-00	Retract-A-Badge (Black)	2.70	2.30	2.10
30-0142-01	Retract-A-Badge (White)	2.70	2.30	2.10
30-0142-02	Retract-A-Badge (Blue)	2.70	2.30	2.10

DELUXE MINI BAK ID CARDHOLDER

- Great for holding security ID badges
- Unique twist-free design prevents "spinning", so badge always faces front
- Patented design for extra security
- Clips on, will not damage clothing
- Strong metal swivel clip on back allows ease of use
- Tested to over 180,000 retractions; lasts four times longer
- Color: Dark Blue
- Made in the USA
- Construction: plastic case, steel clip, 36" nylon cord and vinyl strap with snap
- Size: 1-3/16" W x 1-3/8" H x 1/4"D

30-0145-00

Part Number		Price per ea.	L/12	L/24
30-0145-00	Deluxe Mini-Bak ID Cardholder, Dark Blue	6.65	6.15	5.45
30-0145-01	Deluxe Mini-Bak ID Cardholder, Black	6.65	6.15	5.45

QUICK RELEASE KEY RING

- A simple, convenient way to organize your keys
- Makes it easy to separate work keys from other keys
- Easily separates into two key rings
- Compact and strong
- Bright nickel plate finish

Part Number		Price per ea.
30-0136-00	Quick Release Key Ring	1.70

SECURE-A-KEY

- Eliminates wear and tear on pockets
- Keeps keys readily available
- Simply clip SECURE-A-KEY to your belt and snap key ring on
- Made of stainless steel, will not rust or discolor

Part Number		Price per ea.
30-0138-00	Secure-A-Key	3.50

HUS-KEY

- Now every belt clip KEY-BAK can carry 5 times the weight
- HUS-Key simply snaps into place on the KEY-BAK case
- HUS-KEY supports key load
- Can be used with all clip model KEY-BAK units except Super 48

Part Number		Price per ea.
30-0137-00	HUS-KEY	2.30

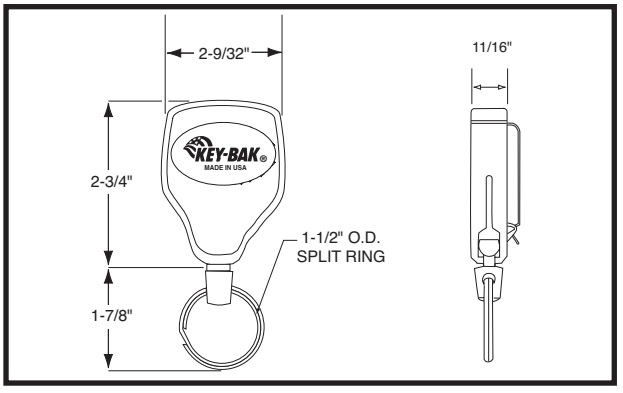
HAPP KEY-BAK® SECURIT™ RETRACTOR

- Designed to keep keys, flashlights, small hand tools, etc. secure and handy
- All weather, all purpose retractor with tough Kevlar Cord (extends 48")
- 8 oz. Retraction force, tested in excess of 100,000 extension cycles
- Robust case fabricated of durable polycarbonate material
- Backed by a Lifetime Service Policy
- Custom versions available
- Made in the U.S.A.

Part Number		Price per ea.
30-0105-00	Key-Bak Securit Greer Reel Retractor	13.95

KEY-BAK SUPER 48 KEY REEL

- Polycarbonate high strength case
- Dust shield keeps interior clean
- Kevlar cable is stronger but lighter than chain and is smooth in action
- Clip/Loop attachment allows dual functionality
- Clip design similar to pistol holsters; meets penal "anti-snatch" rules
- Carries up to 5 times the weight of other retractors
- All black design, high-tech look
- Oversize split ring is standard for larger load
- Corrosion proof for long service life



Part Number		Price per ea.	L/12
30-0101-01	Super 48 Key Reel with Kevlar Cable	12.48	11.60
30-0101-002	Super 48 Key Reel with Steel Cable	13.75	12.75

KEY-BAK "SPINNER" KEY REEL

- Can be extended at any angle – a full 360-degree spin with virtually no wear on the chain or cable
- "Spinner" can be removed from it's base and used simply as a key holder
- "Spinners" belt holder can accommodate most Nokia phones
- Clip-On style
- Available with 24" chain or 48" cable
- Color: attractive black metal case

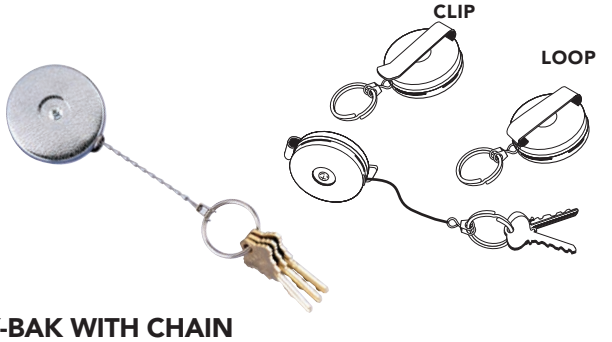
Part Number		Price per ea.
30-0101-04	"Spinner" Key Reel with 24" Chain	10.60
30-0101-05	"Spinner" Key Reel with 48" Cable	12.95

KEY-BAK SUPER 48 LE FOR SECURITY PROFESSIONALS

- For uniformed law enforcement professionals such as Sheriffs and Police
- Leather belt loop on back fits a standard 2.75" wide Sam Browne duty belt
- Polycarbonate high strength case
- Dust shield keeps interior clean and prolongs service life
- Extension member of stainless steel cable with tough nylon jacket or Kevlar cable available
- Loop design meets penal "anti-snatch" rules
- Carries up to 5 times the weight of other retractors
- All black design offers high-tech look
- Oversize split ring is standard for larger load
- Corrosion proof for long service life

Part Number		Price per ea.	L/12
30-0101-03	Key-Bak Super 48 LE with stainless steel cable	14.60	13.30
30-0101-08	Key-Bak Super 48 LE with Kevlar cable	14.90	12.90

KEY-BAK KEY REELS



KEY-BAK WITH CHAIN

- Clips-On style or belt loop style
- Chrome case
- 24" stainless steel chain
- Swivels to prevent chain twisting

KEY-BAK WITH CABLE

- Rugged steel case is only 2" dia.
- 48" stainless steel cable with 95 lb. breaking strength
- Cable is 7 x 7 strand nylon jacketed construction
- Belt look or Clip mount style available

Part Number		Price per ea.	L/6
30-1951-00	Clip on Style with Chain	11.25	10.05
30-0104-00	Belt Loop Style with Chain	11.25	10.05
30-0101-00	Clip on Style with Cable	14.00	12.90
30-0102-00	Belt Loop Style with Cable	14.00	12.90

KEY-BAK KEY REEL W/PROTECTION FLAP

- Uniform protection tab prevents keys from swinging and damaging clothing
- Fitted with an special belt loop for ideal use with 2 1/4" Sam Browne belt
- Unit comes with the original "Key-Bak" key reel
- Precision made for years of trouble free use
- Limited life time warranty on the mechanism
- Uses standard 24" steel chain or 48" Kevlar line

Part Number		Price per ea.
30-0101-09	Key-Bak Reel w/big beltloop, chain	19.99
30-0101-10	Key-Bak Reel w/Protection Flap, Kevlar Version	21.99

KEY-BAK KEY REEL W/LEATHER TOOL POUCH

- Heavy-duty tool pouch, keep tools & key handy
- Ideal for building maintenance staff
- Unit comes with the original "Key-Bak" key reel
- Precision made for years of trouble free use
- Uses standard 24" steel chain or standard 48" Kevlar cord
- Limited life time warranty on the mechanism

Part Number		Price per ea.
30-0101-11	Key-Bak Key Reel w/Leather Tool Pouch	18.99
30-0101-12	Key-Bak Key Reel w/Leather Tool Pouch, Kevlar Version	21.99

KEY-BAK SLIDE BELT KEY CARRIER

- Ideal for slot techs, game room attendants, locksmiths, security personal
- Very secure belt loop style with key ring
- Handy and convenient
- Eliminates pocket wear

Part Number		Price per ea.
30-0095-10	Key-Bak Slide Belt Key Carrier	4.35

SNAP HOOK KEY RING

- Heavy-duty steel
- Chrome finish

Part Number		Price per ea.
30-0096-00	Snap Hook Key Ring	4.70

SECURITY RINGS

- Protective collars
- These rings offer protection from grabbing lock heads with pliers and other tools
- Hardened nickel plated steel

Part Number	Take-up	Depth	Price per ea.
30-0169-00	3/16"	1/2"	3.90
30-0169-10	1/16"	1/4"	4.10

CHROME KEY RINGS

- Quality chrome finish
- Various sizes available

Part Number	I.D.	Price per ea.
30-0094-00	1-1/8"	.63
30-0099-00	1-1/2"	.70
30-0100-00	1-3/4"	.74

LOCK SPACER COLLARS

- Take-up rings for standard 3/4" diameter lock barrel
- Zinc plated steel
- 7 popular sizes

Part Number		Price per ea.
30-2002-00	1/8" Lock Spacer Collar	2.25
30-2004-00	1/16" Lock Spacer Collar	2.25
30-2005-00	3/32" Lock Spacer Collar	2.25
30-2006-00	1/4" Lock Spacer Collar	2.25
30-2008-00	3/8" Lock Spacer Collar	2.25
30-2009-00	7/16" Lock Spacer Collar	2.25
30-2010-00	1/2" Lock Spacer Collar	2.25

COLOR CODED LOCK RINGS

- Made from durable plastic
- Identify which series of locks are your machines with the Happ color coded lock rings

- Various colors available
- Fits tubular key type locks and switch locks
- Now you can color code each route to a different color

Part Number		Price per ea.
30-0308-RED	Color Coded Lock Ring-Red	.24
30-0308-GREEN	Color Coded Lock Ring- Green	.24
30-0308-BLUE	Color Coded Lock Ring- Blue	.24
30-0308-ORANGE	Color Coded Lock Ring- Orange	.24
30-0308-WHITE	Color Coded Lock Ring- White	.24

SPUR WASHER

- Prevents the cam assembly from turning when installed in a round hole
- Two (2) 3/16" diameter holes
- Minimum order 10 pcs.
- For wood installation

Part Number		Price per ea.
30-1966-00	Spur Washer for Wood Installation	.57

ANCHOR PLATES

- Prevents lock and cam assembly from turning when installed in a round hole
- For metal or wood installation
- Minimum order 10
- Size: 2-3/16" L x 1-1/4" W x 3/32" Thick
- .640 hole

Part Number		Price per ea.
30-1965-00	Anchor Plate	1.30

HEAVY-DUTY CHOKER CHAINS

- 24" long
- 12 per master carton

Part Number		Price per ea.
30-0083-00	Heavy-Duty Choker Chains	7.80

SASH CHAIN

- Great for key chains
- Trade size #25
- Sold per foot
- 100 ft. per box

Campbell®

Part Number	Type	Price per ft.
30-0092-00	Blue Chrome	3.55

SPRING SNAP FOR KEYS

- Swivels for easy use
- Zinc plated
- 4-3/8" Overall length, 3/4" wide

Part Number		Price per ea.
30-0097-00	Spring Snap For Keys	1.30

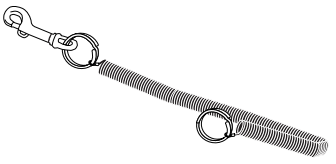
WRIST COIL WITH RING

- Superior quality coil always springs back, never loses its shape
- Fits comfortably on wrist
- 7/8" nickel plated tempered steel split ring
- Assorted colors: black, dark blue, teal, purple, red and white
- Coil measures 2" in diameter; stretches to more than 12" in diameter

Part Number		Price per ea.
30-0202-00	Wrist Coil With Ring	2.95

SNAP HOOK AND KEY RING WITH COIL

- Great for slot technicians or for use with player tracking cards
- Plastic snap hook easily hooks on belt loops or clothing
- Long 20" vinyl coated coil expands to approximately 5 times its size
- Metal key ring on end for keys or player tracking cards
- Color: Black



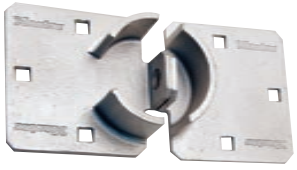
Part Number		Price per ea.
30-0099-01	Snap Hook and Key Ring with Coil	1.45

PUCK LOCK HASP

- Tough security for your Cold Can Drink Machines
- Prevents thieves from prying, hammering or twisting the padlock
- Extremely heavy duty 1/4" steel hasp with inside reinforcement brackets
- Ideal for the Puck Lock style padlock
- 7-1/2" x 4-1/2" x 1/4" front puck lock bracket with welded cup to protect the padlock from vandalism
- 11" x 2" x 1/4" side mount offset bar
- Obscure, durable black powder coat paint
- Includes mounting hardware
- Drilling required for the mounting hardware

Part Number		Price per ea.
30-0186-00	Puck Lock Hasp	42.95

GUARDED HASP, BY MASTER LOCK



- Ideal for vans, trucks, gates and vending and amusement equipment
- Prevents thieves from prying, hammering or twisting the padlock
- Defeats attempts to pry and cut
- Hardened solid steel lock body withstands forcible attacks
- 2 pieces hasp

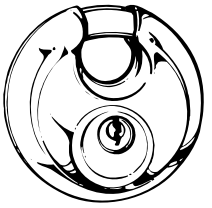
Part Number		Price per ea.
30-0174-00	Guarded Hasp, By Master Lock	22.35

AMERICAN SERIES 2000 PUCK LOCK

- "The Locksmith's Lock"
- Patented shackleless body with solid one piece chrome finish case
- Maximum security 6 pin tumbler cylinder
- 1-1/2" thick by 2-7/8" dia. case
- 13/32" steel locking rod
- Keyed Alike, 2 keys per lock

Part Number		Keying	Price per ea.	L/12
30-1016-XXX	Series 2000 Puck Lock	Alike	30.55	28.60
30-1015-XXX	Series 2000 Puck Lock	Different	32.40	31.15

FEDERAL 1000 SERIES PADLOCK



- Hardened steel shackle
- Stainless steel lock body
- 4-pin tumbler
- Protected shackle
- Brass cylinder
- Deadbolt double locks
- 3/8" shackle diameter
- 2 keys per lock
- Keyed alike

Part Number		Price per ea.
30-2327-XXX	Federal 1000 Series Padlock	14.70

FEDERAL LOCK SHACKLELESS PADLOCK

- Hardened Steel 2-7/8" Wide
- 6 Pinned Cylinder
- 13/32" Shackle Diameter
- 2 Keys Per Lock

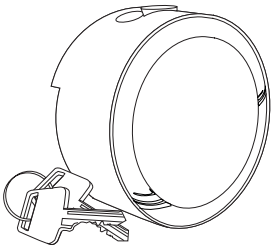
Part Number		Price per ea.
100026545	Keyed Alike	14.70

ABUS PADLOCK

- Smaller sized, keyed alike padlock for use in low security areas where there is still a need to lock up.
- 1" x 1-1/8" x 1/2" brass case
- 3/8" case hardened shackle
- 1/2" shackle clearance
- Keyed Alike, 2 keys per lock

Part Number		Price per ea.	L/12
30-1560-00	House Abus Padlock Keyed Alike	7.85	6.65

HAPP PUCK LOCK



- Stop break-ins with this economical heavy-duty padlock
- Shackleless body with solid one-piece chrome case
- 1.5" thick by 2.875" diameter case
- 13/32" locking steel rod
- Available Keyed alike or keyed differently, 2-keys per lock

Part Number		Price per ea.
30-1017-000	Happ Puck Lock Keyed different	13.95
30-1017-3612	Happ Puck Lock Keyed Alike #3612	13.95
30-1017-4123	Happ Puck Lock Keyed Alike #4123	13.95
30-1017-5032	Happ Puck Lock Keyed Alike #5032	13.95
30-1017-6512	Happ Puck Lock Keyed Alike #6512	13.95

MASTER LOCK #1 PADLOCK

- Reinforced 1-3/4" wide laminated steel body
- Hardened 5/16" diameter steel shackle
- 7/8" shackle clearance
- Precision 4-pin tumbler cylinder
- Dual independent locking levers
- Rustproofed for external wear
- 2 keys furnished per lock

Part Number		Price per ea.	L/12
30-1210-XXX	Master #1, Keyed Alike	12.80	12.15
30-1209-000	Master #1, Keyed Different	12.70	12.05

MASTER LOCK #3 PADLOCK

- Reinforced 1-1/2" wide laminated steel body
- Hardened 9/32" diameter steel shackle, 3/4" clearance
- Precision 4-pin tumbler cylinder
- Dual independent locking levers
- Cadmium Rustproofed for external wear
- 2 keys furnished per lock

Part Number		Price per ea.	L/12
30-1207-000	Master #3, Keyed Different	10.55	9.95

MASTER LOCK #5 PADLOCK

- Reinforced 2" wide laminated steel body
- Hardened 3/8" diameter steel shackle
- 1" shackle clearance
- Precision 4-pin tumbler cylinder
- Dual independent locking levers
- Rustproofed for external wear
- 2 keys furnished per lock

Part Number		Price per ea.	L/12
30-1212-XXX	Master #5, Keyed Alike	14.90	14.25
30-1211-000	Master #5, Keyed Different	14.75	14.15

MASTER LOCK #7 PADLOCK

- Strong 1-1/8" wide laminated steel case
- 3/16" shackle, 9/16" clearance
- Precision pin tumbler locking mechanism
- Cadmium rustproofed for external wear
- 2 keys furnished per lock

Part Number		Price per ea.	L/12
30-1206-XXX	Master #7, Keyed Alike	8.70	7.95
30-1205-000	Master #7, Keyed Different	8.50	7.85

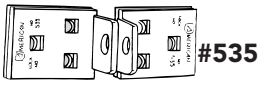
"AMERICAN" PROFESSIONAL H-10 PADLOCK

- Solid steel body (hardened)
- Case hardened steel shackle
- Case diameter: 2"
- Shackle clearance: 1-1/16"
- Overall Height: 3-1/2"
- Shackle diameter: 7/16"
- Keyed Alike, 2 keys per lock

Part Number		Price per ea.	L/12
30-1000-XXX	Professional H-10 Padlock	29.85	24.60

CASE HARDENED SOLID STEEL HASPS

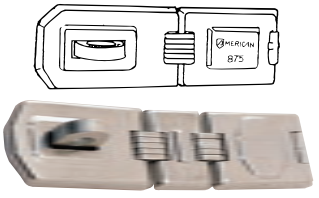
- Solid steel materials
- Recessed concealed screws
- All mounting hardware included



Part Number		Price per ea.	L/12
30-1185-000	#825 Straight Bar Hasp	10.60	9.50
30-1186-000	#535 Centered Hole Hasp	9.05	8.95

FLEX-O-HASP

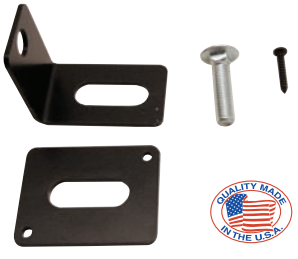
- Heavy wrought steel
- Multi-purpose
- Top security



Part Number		Price per ea.
30-1188-000	#875 Single Link Hasp	8.60
30-1189-000	#885 Double Link Hasp	9.25

HIDDEN SECURITY BAR HASP

- Used on 8-line or Redemption cabinets
- Mounts inside the cabinet
- Padlock hangs flush to the cabinet
- Low visibility
- Includes mounting hardware
- Made in USA



Part Number		Price per ea.
30-0317-00	Hidden Security Bar Hasp	4.45

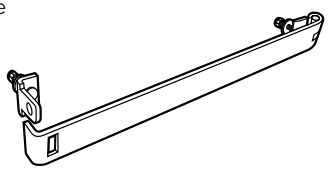
HASP FOR MERIT UPRIGHT GAMES

- Welded hinge prevents pin removal
- No eyebolts exposed
- Hardware included
- Made in USA
- Size: 12" L X 2" W X 3/16" thick
- Single bar with hidden hinge and a protective cover for your padlock
- Made from heavy 2" wide black powder coated steel

Part Number		Price per ea.
30-1192-12	Hasp for Merit Upright Games	18.55

PINBALL HASP

- For use on pinball doors that are mounted by four carriage bolts
- Easy to install, no drilling necessary
- For use with 7/16" Shackle Padlock
- Simply remove 2 hex nuts on right and left side of coin door frame mounting and install
- 15" long 15-3/4" with hinge extended
- Includes mounting hardware



Part Number		Price per ea.
30-0004-00	Pinball Hasp	16.20

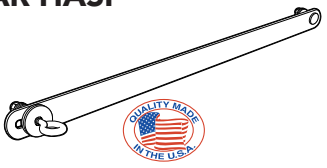
TOPLESS BAR HASP

- Designed for all game doors, excellent for pinball games
- Single bar with hidden hinge and a protective cover for your padlock
- Made from heavy 2" wide black powder coated steel
- Welded hinge prevents pin removal
- No eyebolts exposed
- Hardware included
- Made in USA
- Size: 15-1/2" from eye bolt to carriage bolt
- Overall length: 17-1/8"

Part Number		Price per ea.
30-1192-00	Topless Bar Hasp	16.95

FLAT BAR HASP

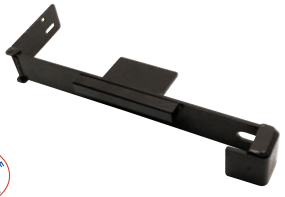
- For the extra protection needed to prevent break-ins on your games front door
- Heavy duty 3/16" steel thick, 1-1/2" wide
- Complete with hardware



Part Number		Price per ea.
30-1195-00	16" Long Flat Bar Hasp	7.85
30-0001-00	24" Long Offset Flat Bar Hasp	9.25

HASP FOR DYNAMO POOL TABLES

- Heavy duty 3/16" x 1-1/2" wide
- Color: Black
- For use on Dynamo pool tables
- Includes hardware and instructions



Part Number		Price per ea.
26-1158-00	Hasp for Dynamo Pool Tables	31.00

HASP FOR DYNAMO HOCKEY TABLES

- Heavy duty
- Color: Black
- Includes hardware and instructions

Part Number		Price per ea.
30-0115-00	Hasp for Dynamo Hockey Tables	30.55

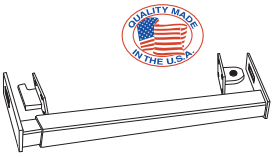
WRAP AROUND ADJUSTABLE BAR HASP

- Perfect for amusement games and vending machines
- Used on 22" to 27" cabinets
- Needs only 1 padlock
- Padlock mounts on front of machine
- Complete with hardware

Part Number		Price per ea.
30-1193-00	Wrap Around Adjustable Wrap	24.60

DELUXE WRAP AROUND ADJUSTABLE BAR HASP

- Perfect for amusement games and vending machines
- Heavy-duty – 1" and 1.25" square tubing
- Side plates are 5-1/4" long
- Needs only 1 padlock
- Padlock mounts on side of machine
- Hardware includes:
  1 padeye
  1 hook
  8 carriage bolts .25" X 1.25"
  8 .25" hex nuts
  2 backup plates



Part Number		Price per ea.
30-2000-00	Adjustable Bar Hasp 19-1/2"to 32"	20.35
30-2000-02	Adjustable Bar Hasp with padlock cover	31.50
30-0006-00	Adjustable Bar Hasp 30"to 45"	39.95
284992	Adjustable Bar Hasp 20" to 32"	20.95

DELUXE WRAP AROUND ADJUSTABLE HASP WITH 11" SIDE PLATES

- Only 1 padlock needed
- Adjusts from 20" to 36"
- 11" Side bars make this ideal for use on "POG"
- Black painted finish
- Heavy-duty square tubing
- Mounting hardware included
- Made in USA

Part Number		Price per ea.
30-0013-01	Adjustable Bar Hasp 20"to 36" with extended 11" side bars	25.80

HASP FOR VALLEY POOL TABLE

- Heavy duty
- Designed for Valley tables
- Can be adapted to other tables
- Color: Black
- Includes hardware and instructions

Part Number		Price per ea.
30-0028-00	Hasp for Valley Pool Tables	24.65

HASP FOR VALLEY/DYNAMO POOL TABLE

- Designed to fit a recessed 10" wide cash box opening
- Easy to install, simply drill two 3/8" holes
- Heavy duty metal with innovative guide lip
- Color: Black
- Includes instructions and drilling template

Part Number		Price per ea.
30-0053-00	Valley & Dynamo Pool Table Security Hasp	24.70

SAMMY USA SECURITY BAR KIT FOR WING SHOOTING CHAMPIONSHIP

- Direct fit for Sammy Wing Shooting Championship
- Wing Shooting Championship cabinets are pre-drilled for easy installation
- Installs in less than 10 minutes, simply remove the supplied bolts and install the two brackets

- Heavy duty black painted metal
- May also be used on Sammy 25" Upright and 33" Showcase cabinets with Deer Hunting USA, Turkey Hunting USA,

Sammy

(hardware for these cabinets must be purchased separately)

- Kit includes: Locking bar with enclosed padlock area, and 2 mounting brackets
- Made in USA

Part Number		Price per ea.
30-0200-00	Sammy USA Security Bar Kit	44.99
30-0200-02	Deluxe Wrap Around Adjustable bar With Padlock Cover	44.99

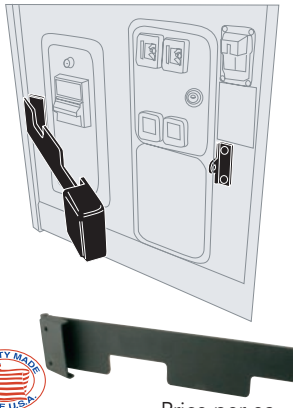
SAMMY USA SECURITY BAR KIT FOR SPORTS ARENA

- Direct fit for Sports Arena
- Installs in less than 10 minutes
- Heavy duty black painted metal
- Kit includes: Locking bar, and 2 mounting brackets
- Made in USA

Part Number		Price per ea.
30-0200-01	Sammy USA Security Bar Kit	54.99

RETROFIT SECURITY HASP FOR GOLDEN TEE® GOLF

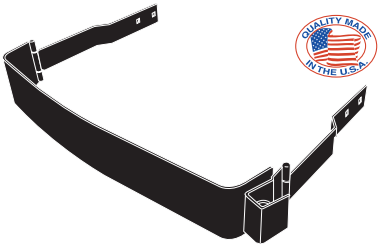
- Shackle protector and low profile mounting virtually eliminates break-in's
- Uses existing hardware on the game
- Made in the USA from 1/4" laser cut steel
- Black wrinkle powder coat paint matches the game's finish
- Uses hidden hinge for added security
- Laser cut smooth edges for safety



Part Number		Price per ea.
30-0004-01	Retrofit Security Hasp - Golden Tee®	52.50
30-0004-02	Eyelet with Hardware	7.70

TOUCH SCREEN SECURITY HASP

- Fits Merit Mega-Diamond touch screens
- Accepts Standard or Disklock padlocks
- Black powder coated
- Includes: (2) backing plates, (4) carriage bolts, washers and nuts
- Made in USA



Part Number		Price per ea.
30-0005-02	Touch Screen Security Hasp	44.95

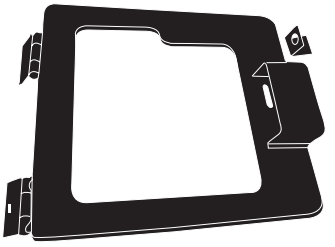
OFFSET FLAT BAR HASP

- For the best protection of break-ins on your games front door
- Heavy duty 3/16" steel thick, 1-1/2" wide
- Complete with hardware

Part Number		Price per ea.
30-0011-00	12" Long Offset Flat Bar Hasp	9.15
30-1627-00	16-1/2" Long Offset Flat Bar Hasp	9.15
39-1011-00	25" Long Offset Flat Bar Hasp	12.60
284995	16-1/2" Security Bar, 1/8" steel	7.95

HEAVY DUTY OVER-UNDER MID-WIDTH DOOR HASP

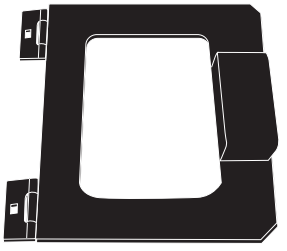
- Notch cut in hasp to allow it to work on both Happ Controls and Wells-Gardner Over/Under Mid-Width doors
- This heavy duty steel hasp stops vandals from kicking in the coin door
- Welded top padlock cover insures your padlock is protected
- Laser cut smooth edges for safety
- Durable black wrinkle paint
- Hidden hinges with a non-removable welded hinge pin
- Made in the U.S.A.



Part Number		Price per ea.
30-0300-00	Heavy Duty Over-Under Mid-Width Door Hasp	29.90

HEAVY DUTY OVER-UNDER DOOR HASP

- This heavy duty steel hasp stops vandals from kicking in the coin door
- Welded top padlock cover insures your padlock is protected
- Hidden hinges with a non-removable welded hinge pin
- Bolt to bolt 9-1/2", overall 11-1/8"



Part Number		Price per ea.
30-2001-00	Heavy Duty Over-Under Door Hasp	24.05
B720	Economy Over-Under Door Hasp	9.99

HASP FOR ARACHNID GALAXY 2

- 3/16" heavy duty steel
- Black textured powder coat
- Reinforced padlock cover
- Hinged on left side
- Hardware included
- Backing plates included for increased strength
- Made in USA

Part Number		Price per ea.
30-0302-00	Hasp for Arachnid Galaxy 2	27.35

LOCK HASP

- Simple, economic way of adding a padlock to any machines, garage, vehicle etc.
- Made with 1/8" steel
- Complete with hardware

Part Number		Price per ea.
30-1194-000	Lock Hasp	6.35

DRIVING CABINET VAULT HASP

- For use on Atari Rush 2049 Driving Cabinet Vault
- Simply attaches to the existing mounting holes on the sides of the existing vault
- Heavy Duty 11 gauge steel
- Rugged Black powder paint finish
- Complete with mounting hardware
- Welded hinge pins for additional security

Part Number		Price per ea.
30-0135-00	Driving Cabinet Vault Hasp	82.40

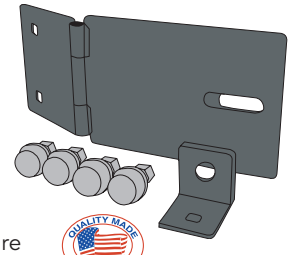
SUPER HEAVY DUTY 4-1/2" BAR HASP

- 3/16" heavy plate steel
- Eyebolt is a 1/2" shaft, that is heat treated, hardened steel that defies bolt cutters
- Existing cabinet cam lock is placed through the bar, securing bar to cabinet
- Complete with hardware
- Made in the U.S.A.

Part Number		Price per ea.
30-1005-00	Super Heavy Duty 4-1/2" Bar Hasp	11.60

HASP FOR STANDARD CHANGE-MAKERS MC100 AND MC101

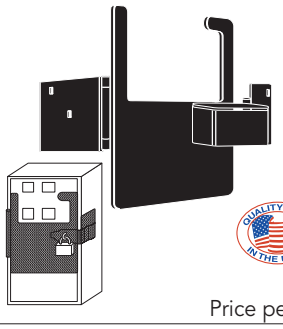
- Fits models EC100 and EC101
- 7 gauge steel plate
- 1/4" ring welded on the inside of the plate allows hasp to lay flush with the cabinet
- Includes: (2) 1/8" "L" brackets welded together for padlocks
- Color: Textured Black River
- Complete with all mounting hardware
- Made in USA



Part Number		Price per ea.
30-0318-00	Hasp for Standard Change Makers MC100 and MC101	32.30

HEAVY DUTY SECURITY BAR/HASP

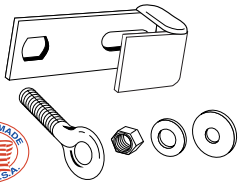
- For **Daytona Crusin'** and **Sega Rally** driving games
- Protect those "high volume" games from theft and damage
- Accommodates a regular padlock
- Built with hidden hinge pins
- Heavy duty shackle protector
- Complete with hardware



Part Number		Price per ea.
30-0005-00	Heavy Duty Security Bar/Hasp	45.30
30-0005-01	Security Bar Hasp for Virtual Racing for Wider Cabinets	49.10
30-0055-00	Security Bar Hasp for San Francisco Rush with Shackle Guard	46.60

WELDED TOP PADLOCK COVER

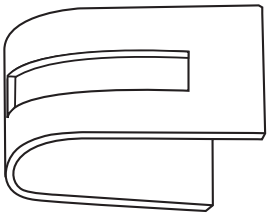
- Welded Top Padlock Cover
- Heavy duty steel 3/16" x 2" wide
- 3/8" eyebolt
- Black powder coated
- Made in USA



Part Number		Price per ea.
30-0033-00	Welded Top Padlock Cover	11.55

HEAVY DUTY SHACKLE GUARD

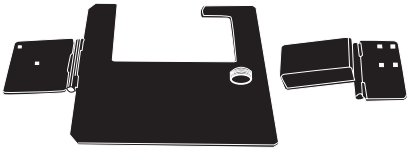
- Works with most padlocks
- Prevent cutting of the padlocks
- Rugged 3/16" steel gives maximum protection
- 2-1/2" H x 2" W
- 1-1/8" opening for hasp
- Works with most "L" shape hasps
- Laser cut – no sharp corners
- Made in the U.S.A.
- Black powder coated



Part Number		Price per ea.
30-0003-00	Heavy Duty Shackle Guard	6.65

SECURITY BAR HASP FOR SILENT SCOPE

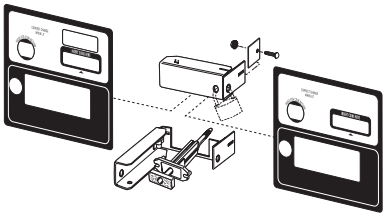
- For use on Konami Silent Scope with Mid-Width Over/Under doors
- Covered padlock hasp protects your padlock
- Fits 11-1/4" to 12" wide doors
- Made from 3/16" thick heavy duty steel
- Black powder coated
- Mounting hardware included
- Made in USA



Part Number		Price per ea.
30-0141-00	Security Hasp for Silent Scope	59.40

DIXIE NARCO LOCK COVER KIT

- Ref. # 480,011,200.14
- Used on 'E' models and Vandal Resistant Vendors with pushbutton coin return and Dr. Pepper machines



Part Number		Price per ea.
H48001120014DN	Dixie Narco Lock Cover Kit	31.20

T & LIFT-HANDLE COVERS

NEW

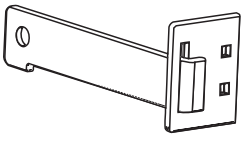
30-1344-00 30-1344-V2LG 30-1344-V5

- Provide added protection for your T and Lift-handles
- V-2 and V-2 LG covers fit low and high profile surface mounted T-handles respectively
- V-5 Lift-handle covers protects moldings on National/GPL machines
- All include durable black powder coated finishes

Part Number		Price per ea.
30-1344-00	Low Profile V-2 Lift Handle Cover	26.30
30-1344-V2LG	High Profile V-2 LGT Lift Handle Cover	25.99
30-1344-V5	V-5 Handle Cover	20.99

ROYAL VENDORS LOCK COVER

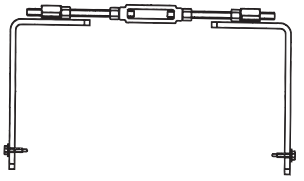
- Ref. No. 141110
- Used on Vandal Resistant Coke machines (post serial # 1207) and Merlin IV machines
- Black powder coat finish



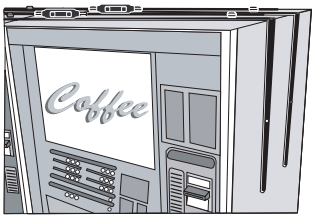
Part Number		Price per ea.
30-0190-00	Royal Vendors Lock Cover	10.45
30-0187-00	Vendo 516, Robo Door	28.35
010110024	Lock Cover Assembly-Coke	23.40

BOLTLESS VENDING SYSTEM

NEW



Installed bracket assembly layout



Bracket assembly installed above

- Multi-use bracket assembly that locks together vending machines of identical height
- Helps eliminate major damage caused from rocking and bouncing
- Professional looking presentation,keeping machines aligned and together
- Easy to install and re-size, black powder-coated steel brackets
- Detailed installation instructions included
- Wrench and drill tools recommended, some drilling required
- Perfect replacement for old-fashioned bolts
- Other rod set sizes and replacement parts available; call for details

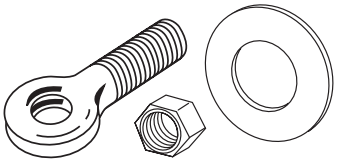
Bracket assembly includes:
(2) Left Handed L-Brackets, (2) Right Handed L-Brackets, (2) Turnbuckles (4) Left Handed Lock Nuts, (4) Right Handed Lock Nuts, (4) Self-Tapping Hex Screws, (2) All-Thread Left Handed Rods, (2) All-Thread Right Handed Rods

Part Number		Price per ea.
BVS-1072	Complete 72" Rod Set Assembly	204.95
BVS-1084	Complete 84" Rod Set Assembly	214.95
BVS-1096	Complete 96" Rod Set Assembly	219.95

1/2" EYEBOLT

NEW

- Made from hardened drop-forged steel
- Resists cutting
- Powder coated black
- Includes washer and locknut
- Made in USA



Part Number		Price per ea.
30-0021-00	1/2" Eyebolt	8.60

REPLACEMENT LIFT HANDLE SET

- For National Vendors machines
- Brushed stainless finish
- Set includes:
- Lift Handle Lever, Ref. No. 117-2190
  (1) Lift Handle Base, Ref. No. 117-2191

Part Number		Price per ea.
30-0307-00	Replacement Lift Handle Set	15.75

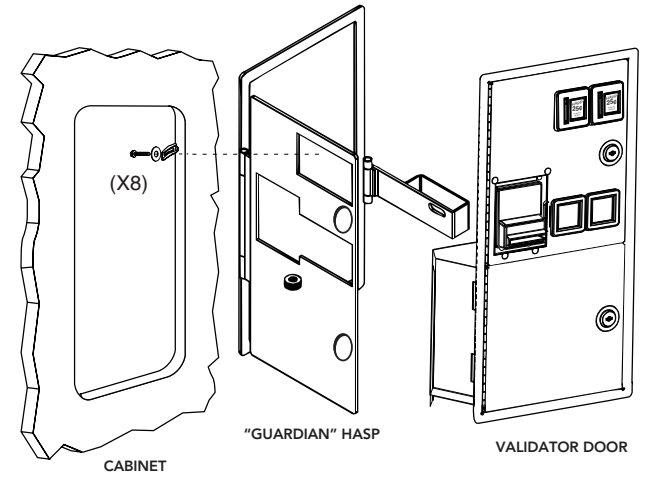
THE HAPP GUARDIAN HASP FOR OVER/UNDER MID-WIDTH VALIDATOR DOORS

- Unique design requires no drilling, mounts directly to the cabinet
- For use on 40-3000-00 series over/under Mid-Width doors with or without upstacker
- 3/16" thick painted steel
- Welded padlock cover to insure padlock protection
- Fits on cabinets with very little clearance around the validator door and those that have no supports to mount a standard security bar
- Can be easily moved from one cabinet to another
- Two different versions available based upon height of upper door (Type I or Type II)

  Type I – Overall height of upper door is 10.70"

  Type II – Overall height of upper door is 9.90"

HAPP®



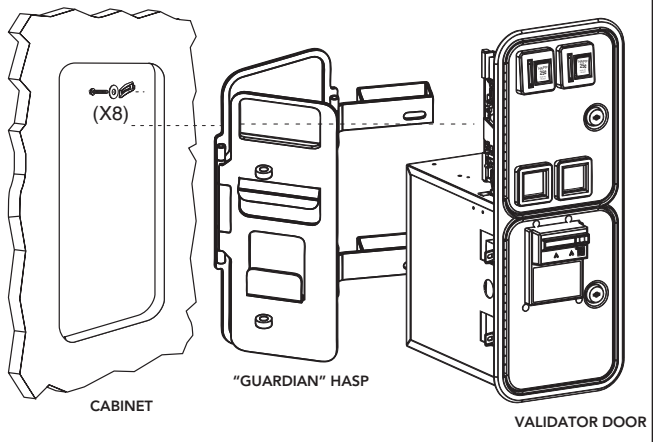
To install, simply remove existing Mid-Width Door and slide door into large metal opening of hasp and re-install door to cabinet.

Part Number		Price per ea.
30-0171-00	"Guardian" Over/Under Mid-Width Validator Door Hasp Type I	91.55
30-0171-10	"Guardian" Over/Under Mid-Width Validator Door Hasp Type II	102.20

THE HAPP GUARDIAN HASP FOR OVER / UNDER 2-ENTRY STACKER VALIDATOR DOOR

- Unique design requires no drilling, mounts directly to the cabinet
- For use on 40-6000-00 series over/under 2-entry stacker validator doors with or without validator
- 3/16" thick painted steel
- Welded padlock cover to insure padlock protection
- Fits on cabinets with very little clearance around the validator door and those that have no supports to mount a standard security bar
- Can be easily moved from one cabinet to another

HAPP®



To install, simply remove existing 2-Enry Stacker Door and slide door into large metal opening of hasp and re-install door to cabinet.

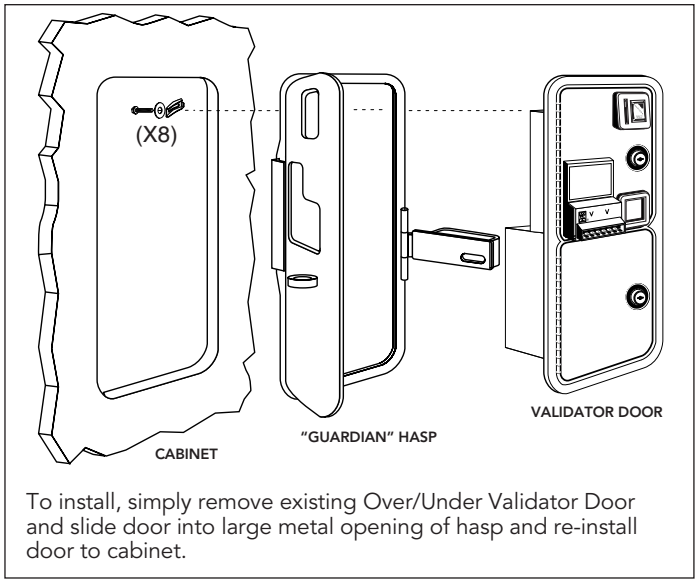
Part Number		Price per ea.
30-2400-200	"Guardian" Over/Under 2-Entry Stacker Validator Door Hasp Type	86.45

Visit Our Web Site:
happ.com
for NEW Product Updates!!

THE HAPP GUARDIAN HASP FOR OVER / UNDER VALIDATOR DOORS

- Unique design requires *no drilling*, mounts directly to the cabinet
- For use on 40-7000-00 series Over/Under Validator doors with upstacker
- 3/16" thick painted steel
- Fits on cabinets with very little clearance around the Validator door and those that have no supports to mount a standard security bar
- Welded padlock cover to insure padlock protection
- Can be easily moved from one cabinet to another

HAPP®



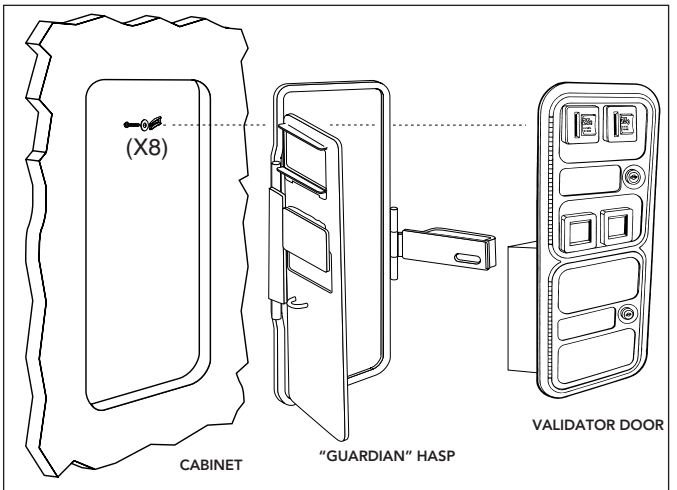
To install, simply remove existing Over/Under Validator Door and slide door into large metal opening of hasp and re-install door to cabinet.

Part Number		Price per ea.
30-2400-00	"Guardian" Over/Under Validator Door Hasp	80.20

THE HAPP GUARDIAN HASP FOR OVER / UNDER DOORS

- Unique design requires *no drilling*, mounts directly to the cabinet
- 3/16" thick painted steel
- Fits on cabinets with very little clearance around the Over/Under door and those that have no supports to mount a standard security bar
- Welded padlock cover to insure padlock protection
- Can be easily moved from one cabinet to another

HAPP®



To install, simply remove existing Over/Under Coin Door and slide door into large metal opening of hasp and re-install door to cabinet.

Part Number		Price per ea.
30-2401-00	"Guardian" Over/Under Door Hasp	73.50

GUARDIAN DOOR HASP FOR VALLEY GREAT EIGHT POOL TABLE

- Prevent theft and damage to your pool table
- Designed to work specifically on the Valley Great Eight Pool Table
- Hasp features thick 7-Gauge Steel construction with a black wrinkle powder coat finish
- Includes welded padlock cover for added protection
- Unique design requires no drilling, mounts directly to the cabinet
- All Hardware Included

GUARDIAN NEW

Part Number		Price per ea.
30-0053-S106	Guardian Door Hasp For Valley Great Eight Pool Table	59.95

DO YOU WANT TO KNOW EACH TIME YOUR ORDER SHIPS OUT?

E-mail notification and order **tracking information** is now available from HAPP! Contact your sales representative or e-mail our customer service department at: **info@happ.com** with your account information.

SECURITY HASP FOR UNIVERSAL PINBALL VALIDATOR DOOR

NEW

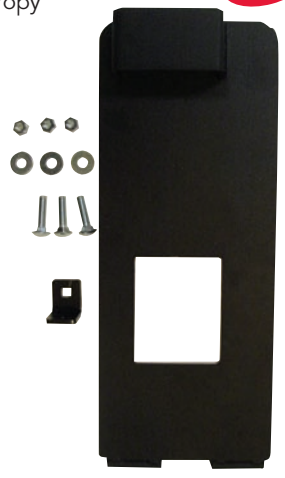
- Unique design requires no drilling, mounts directly to the cabinet
- For use on 40-0696-00 universal pinball validator door
- Fits on Stern, Data East, Sega and Williams Pinball
- Can be switched form cabinet to cabinet
- Fitted with standard padlock cover to insure padlock protection
- 1/8" thick powder coated steel
- Made in the U.S.A.

Part Number		Price per ea.
30-2401-S101	Hasp For Universal Pinball Validator Door	69.95

HASP FOR FLAMIN FINGER

NEW

- Provides great protection for Entropy style doors
- May also fit other coin doors
- Features lock protection with a padlock cover
- Installation requires some drilling
- Black wrinkle powder coat finish
- All hardware is included



Part Number		Price per ea.
S-108	Hasp For Flamin Finger	35.65

OVER UNDER DOOR HASP

NEW

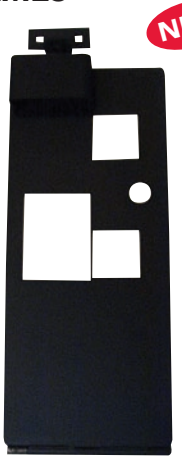
- Provides great protection for over under doors using a flush mounting style
- Requires 1-5/8" on both sides of the over under door for clearance
- Installation requires drilling two holes to mount the door and two more to mount the hasp
- Black wrinkle powder coat finish
- All hardware is included

Part Number		Price per ea.
S-109	Over Under Door Hasp	53.35

HASP FOR LAI GAMES

NEW

- Fits the Stacker, FastTrack and Lighthouse cabinets
- Features cut outs for single coin slot and bill validator, as well as a welded padlock cover
- Does not fir Giant Stacker or club models
- Black wrinkle powder coat finish



Part Number		Price per ea.
S-111	Hasp For LAI Games	42.95

HASP FOR MEI BILL VALIDATOR

NEW

- Excellent protection from inside the machine
- Fits MEI 300 downstacker
- Has a hinged compartment that flips down and locks into place
- Black powder coat finish

Part Number		Price per ea.
S-113	Hasp For MEI Bill Validator	39.99

LARGE STANDARD ROLL TOP SAFE

- Heavy duty 3/8" shackle plate
- Will accommodate "Puck" Style Padlock, see padlock page in Security section
- Large hopper opening 4-1/4" x 7-1/2"
- Large 12" x 12" x 21" Vault Size
- Physical Size: 12" x 12" x 27"
- Weight: 70 lbs, ship via UPS

Part Number		Price per ea.
30-1470-00	Large Standard Roll Top Safe	377.20

LARGE STANDARD 2 COMPARTMENT SAFE

- Large bottom compartment for route driver to store filled changers and quickly exchange with the empty changers on location
- Will accommodate "Puck" Style Padlock, see padlock page in Security section
- Driver can access spare change on bottom without having access to the collected money deposited in the top compartment
- Extra heavy duty 3/8" thick locking plate
- Physical size: 15" x 15" x 34"
- Upper vault size: 15" x 15" x 14"
- Lower vault size: 15" x 15" x 10-1/2"
- Extra large hopper opening: 12" x 6"
- Weight: 120 lbs, ships via UPS

Part Number		Price per ea.
30-0106-00	Large Standard 2 Compartment Safe	387.70

LARGE DELUXE ROLL TOP SAFE

- Roll top opening size 4-1/4" x 7-1/2"
- Large 12" x 12" x 21" Vault Size
- Heavy duty back up plate
- Heavy 10 gauge steel construction
- Physical Size: 12" x 12" x 27"
- Double deadbolt locking system
- Weight: 74 lbs, ships via UPS

Part Number		Price per ea.
30-0077-00	Large Deluxe Roll Top Safe	409.70

GIANT CAPACITY ROLL TOP SAFE

- Heavy duty 3/8" shackle plate
- Will accommodate "Puck" Style Padlock, see padlock page in Security section
- Equipped for 2 padlocks (Sold Separately)
- Large hopper opening 12" x 6"
- Maximum security with 1/4" thick door
- Extra Large 18" x 18" x 23" Vault Size
- Physical Size: 18" x 18" x 32-1/4"
- Weight: 127 lbs, ship via UPS

Part Number		Price per ea.
30-1475-00	Giant Capacity Roll Top Safe	430.70

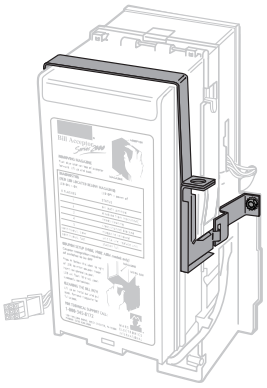
MEDIUM STANDARD ROLL TOP SAFE

- Roll top opening size 4-1/4" x 7-1/2"
- Physical Size: 10" x 10" x 11"
- Heavy 10 gauge steel construction
- Extra heavy duty 3/8" shackle plate
- Compact size
- Weight: 46 lbs, ship via UPS

Part Number		Price per ea.
30-0078-00	Medium Standard Roll Top Safe	304.65

CUSTOM HASP ASSEMBLY FOR MEI VALIDATORS

- Custom designed for Mars AE & VN 2000 series validators
- Will only work with the compact bezel (bezel option no. 1) or fitted bezel (bezel option no. 5)
- Accommodates padlocks with 3/8" shackle



Part Number		Price per ea.
42-7112-00	Custom Hasp for MEI Validators	31.30

SLAM NUT ASSEMBLY

- Terrific time and labor saving device
- Allows you to simply 'slam' the T-Handle in after closing the door
- Eliminates screwing the T-Handle into the cage nut

Part Number		Price per ea.
30-0120-00	Slam Nut Assembly	11.75

T-HANDLE

- Fits Chicago Lock and other T-Handles
- Can be used with studded or .25 turn T-Handle
- Will accept all standard inner cylinder locks
- Matte finish

Part Number		Price per ea.
30-0183-00	T-Handle	4.20

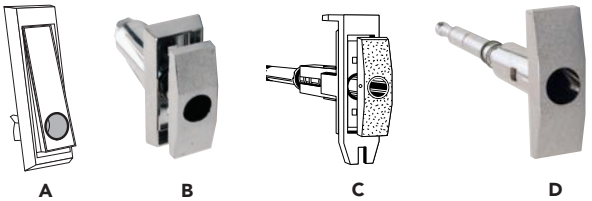
T-HANDLE FLANGE

- Used with most T-Handles
- Can be used as studded or .25 turn T-Handle
- Polished chrome finish

Part Number		Price per ea.
30-0182-00	T-Handle Flange	4.20

T-HANDLE ASSEMBLIES

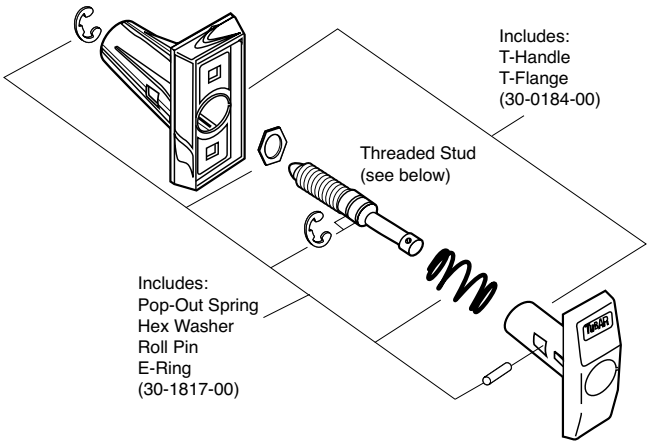
- These T-Handle assemblies come complete with hardware
- Simply add inner cylinder lock



Part Number	Key #	Manufacturer	Price per ea.
H640089AP	A	Automatic Products	121.65
H80150287001DN	C	Dixie Narco	13.95
30-0195-00	D	Dixie Narco	7.35
H227RM	B	R.M.I.	26.65
H35027808R	B	Rowe, Bill Changer	66.05
30-0184-00	B	Rowe	15.30

T-HANDLE KITS

- Inner Cylinder remains at or below the surface of the handle, making vandalism difficult.
- Accepts all standard Abloy, Ace, Ace Change-Matic, Flex-Ace, Duo, Gem, Medico and Happ standard inner cylinder locks.
- To assemble a complete T-Handle, order parts 30-0184-00, 30-1817-00 and the threaded stud which fits your application from the list below.



Part Number		Price per ea.
30-0184-00	Includes: T-Flange, T-Handle	15.30
30-1817-00	Includes: E-Ring, Pop-Out Spring Hex Washer, Roll Pin	2.10

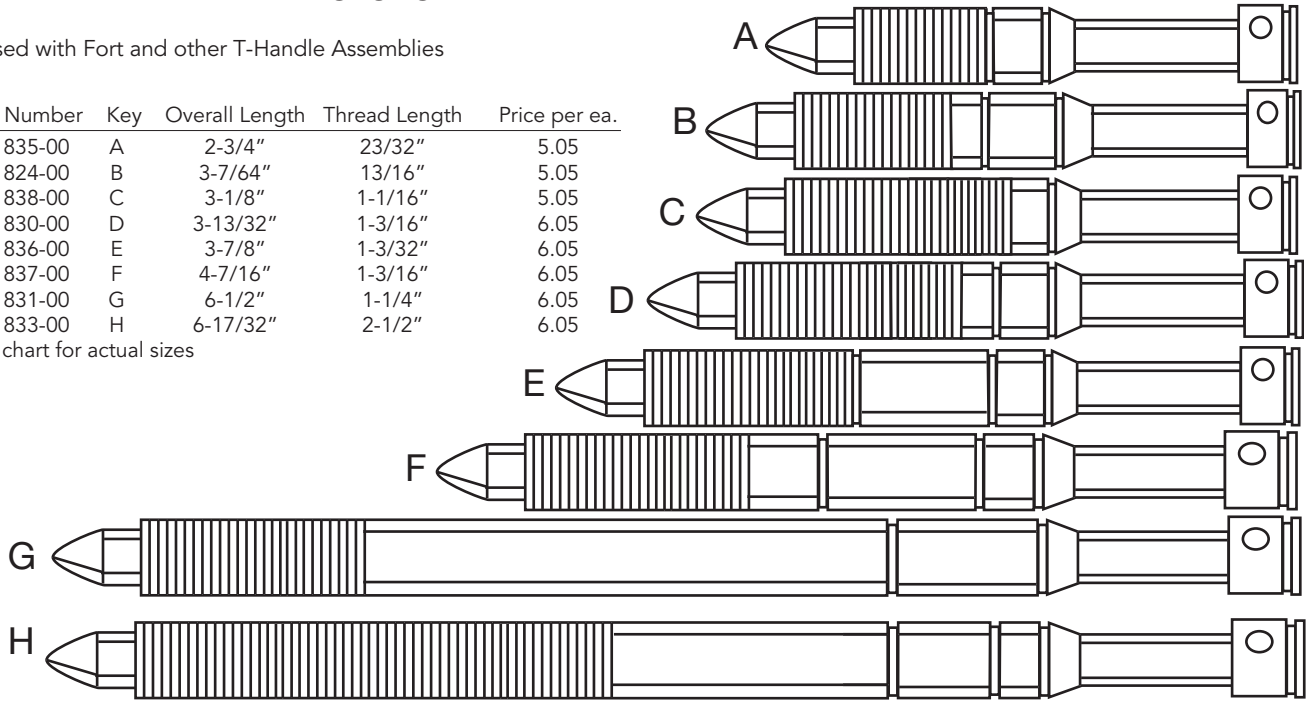
THREADED STUDS

- Used with Fort and other T-Handle Assemblies

Part Number	Key	Overall Length	Thread Length	Price per ea.
30-1835-00	A	2-3/4"	23/32"	5.05
30-1824-00	B	3-7/64"	13/16"	5.05
30-1838-00	C	3-1/8"	1-1/16"	5.05
30-1830-00	D	3-13/32"	1-3/16"	6.05
30-1836-00	E	3-7/8"	1-3/32"	6.05
30-1837-00	F	4-7/16"	1-3/16"	6.05
30-1831-00	G	6-1/2"	1-1/4"	6.05
30-1833-00	H	6-17/32"	2-1/2"	6.05

See chart for actual sizes

SIZE CHART FOR THREADED STUDS



SECURITY ALARM SYSTEM

- Impact sensor designed to sound alarm when impact, abuse and rocking is detected
- Sensor adjusts to desired sensitivity
- 128 db alarm sounds for 30 seconds
- Automatically turns off and resets
- Amusement alarm has 2 magnetic switches
- Vending alarm has 1 magnetic switch
- Wide voltage range (5 to 15 vdc)
- Low current drain (0.1 UA @ 12 vdc)
- 12 volt battery pack, with connectors (27-1064-BAT)
- Small controller size, only 1.85" x 2.25"
- Easy to install

Part Number		Price per ea.
27-1064-10	Amusement Machine Alarm	122.65
27-1064-00	Vending Machine Alarm	122.65
27-1064-BAT	Replacement 12V Battery	20.05

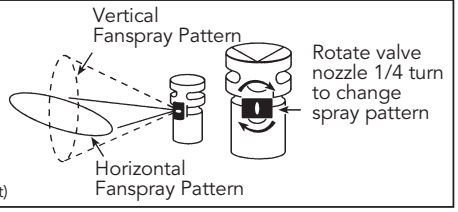
HAPP "QUALITY COAT" SPRAY PAINT

- Featuring the patented EZ Touch® Fanspray® Nozzle giving the user better spray control with optimum coverage
- 15 minutes dries to touch
- For indoor/outdoor use
- Contains high amounts of solids for maximum coverage on wood and metal
- Lead and fluorocarbon free
- Professional results with the patented Fanspray® Nozzle
- Vertical or horizontal Fanspray® pattern allows easy spraying of all surfaces
- Net weight 11 oz.
- 12 cans per case

HAPP®

Part Number		Price per ea.	L/12
29-1011-00	Gloss Black	3.75	3.35
29-1012-00	Semi-Gloss Black	3.75	3.35
29-1026-00	Appliance White	3.75	3.35

All Spray Paints use the EZ Touch® Fanspray® Nozzle.
(Except Spatter Paint)



MINI RAZOR BLADE HOLDER AND SCRAPER

- Blade easily snaps in and out
- Blade can be stored upside down for safety
- Holds blade securely for scraping jobs
- Includes one blade

Part Number		Price per ea.
49-5053-00	Mini Razor Blade Holder and Scraper	1.30

RAZOR BLADES

- Single edge
- Industrial quality
- Sold 100 per box

Part Number		Price per ea.
49-0926-00	Razor Blades	8.40

TEFLON PIPETHREAD SEALANT TAPE

- White Teflon seals and lubricates pipe threads

Part Number		Price per ea.	L/12
39-0032-00	1/2" x 520"	2.10	1.80

SPRAY PAINT, BY KRYLON

- Featuring the patented EZ Touch® Fanspray® Nozzle
- Dries to touch in approximately 15 minutes
- For professional and industrial use
- Interior/Exterior use
- Net wt. 12 oz.
- 12 per case

Part Number		Price per ea.	L/12
29-1013-01	Semi-Flat Black	5.65	5.05
29-1013-02	Gloss Black	5.65	5.05
29-1013-03	Appliance White	5.65	5.05
29-1013-04	Flat Black	5.65	5.05
29-1013-19	Machinery Gray	5.65	5.05
29-1013-20	Aluminum	5.65	5.05
29-1015-00	Gray Primer	5.65	5.05

SNAP & SPRAY AEROSOL CAN HOLDER

- Transforms any spray can into a spray gun
- Installs easily
- Eliminates finger fatigue
- Reusable

Part Number		Price per ea.	L/12
29-1110-00	Snap & Spray Aerosol Can Holder	3.55	3.20

GAFFERS TAPE

- High tack tape with excellent adhesion
- Leaves no residue
- 2" X 60 yards
- Color: Black
- Great for Audio/Visual departments
- Also used for touch screen monitors
- Protects and anchors electrical wiring
- Seals out moisture and dust
- For wrapping or bundling wire, metals and plastics
- Heavy-duty vinyl coated waterproof cloth backing with excellent flexibility
- Matte finish reduces light reflection

Part Number		Price per ea.
39-0085-00	Gaffers Tape	25.05

MASKING TAPE

- Protect the areas you are not painting
- 60 yards long per roll
- Strong adhesive backing

Part Number		Price per ea.
39-0014-00	1" Masking Tape	1.60
39-0018-00	2" Masking Tape	3.45
3460	3/4" Masking Tape	1.50

DUCT TAPE

- Polyethylene coated cloth
- Used for holding down carpet
- 2" x 60 yards
- 24 per case

Part Number		Price per ea.
39-0019-00	Gray Duct Tape	7.70
39-0045-00	Red Duct Tape	9.20
39-0044-00	Black Duct Tape	9.65

GLASS FILAMENT TAPE

- Ideal for heavy-duty packaging
- Strong adhesive backing
- 1" x 60 yards long

Part Number		Price per ea.
39-0007-00	Glass Filament Tape	3.30

DOUBLE FACE FOAM TAPE

- All purpose tape allows you to hang light objects or signs to games, walls, glass
- High strength adhesive on both sides
- 36 yards long

Part Number		Price per ea.
39-0013-00	3/4" Double Sided Foam Tape, White	18.30
39-0013-10	3/4" Double Sided Foam Tape, Black	18.30
39-0041-00	1/4" Double Sided Foam Tape, Black	26.20

COLD SHRINK TAPE

- Removing is easy, just slit the tape mold lengthwise
- No heat required
- Waterproof and non-toxic
- A must for every toolbox
- 3/4" x 30' long
- Amazing tape allows you to wrap around a leaking pipe, hose, cable, etc. and the tape will form into a rubber mold stopping any more water from escaping

Part Number		Price per ea.
39-0012-00	Cold Shrink Tape	13.75

3M™ CLEAR TOUCHSCREEN TAPE

- Same adhesive tape used on 3M™ Microtouch Cleartek™ Touch Screens
- Chemical resistant, also used for splicing, holding, sealing and protecting
- .5" wide x 72 linear yard roll, 1.9 mil
- Sold per each, available 12 rolls per box
- Transparent polyester film tape with acrylic adhesive

Part Number		Price per ea.
39-0197-00	3M Translucent Touchscreen Tape	18.95

3M™ ELECTRICAL TAPE

- 3M Scotch Super 33+ Vinyl Electrical Tape, the Industry Standard
- Now it's more flexible, stronger and stickier than ever – especially in cold weather
- Highly conformable all-weather tape
- UL listed, CSA certified 0° C to 105° C
- Primary insulation for wire cable splices up to 600 V
- In handy hard plastic container
- 3/4" x 66' long

Part Number		Price per roll	L/10
49-0902-00	3M Electrical Tape	6.50	5.85

PLASTIC ELECTRICAL TAPE

- Dielectric over 10,000 V
- U. L. listed
- 3/4" wide x 60 ft.
- Sold in packs of 10 only

Part Number		Price per ea.
39-0038-00	Electrical Tape - 10 Pack	10.30

DELUXE 2" TAPE DISPENSER

- Pistol grip style
- Engineered for long wear and ease of use
- Adjustable brake provides tape tension
- Holds up to 2" wide rolls on a 3" core

Part Number		Price per ea.
98-MTDGF103	Deluxe 2" Tape Dispenser	15.90

3M SCOTCH® BOX SEALING TAPE

- Edge tear and split resistant
- Strong 2.05 mil thickness
- Clear color
- 1-7/8" x 55 yards long per roll
- Strong adhesive backing
- Tensile strength: Machine direction 25 lbs. /inch width; Cross direction 40 lbs./inch width
- Adheres instantly to a variety of surfaces

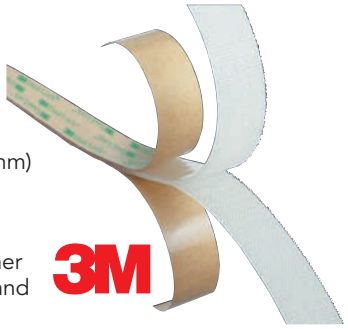
Part Number		Price per ea.	L/12
39-0008-10	3M Scotch® Box Sealing Tape	2.20	1.85

3M™ CLEAR DOUBLE SIDED TAPE

- All purpose tape with excellent adhesion
- Easily adheres to metal, glass, formica and other hard surfaces

Part Number		Price per ea.
39-0039-0	3M Clear Double Sided Tape, 1/4" x 36 yds. Sold in Boxes of 2 Rolls	5.40
39-0040-00	3M Clear Double Sided Tape, 1/2" x 36 yds. Sold Per Roll	11.10

3M DUAL LOCK™ LOW PROFILE RECLOSABLE FASTENER



- 75 ft per roll; sold by the foot
- 3 rolls per case
- **Unlike some reclosable fasteners, this is self-mating so only one roll needed reducing inventory**
- Light-weight, thin profile (0.067", 1.7mm)
- Clear acrylic adhesive, -20°F to 150°F
- 1" wide, clear color
- Stemmed surfaces glide over each other for easy positioning prior to pressing and snapping together
- Pressure sensitive adhesive backing bonds to many surfaces
- Numerous interlocking mushroom-shaped stems positively "snap" together

Uses include:
Electronics, exhibits, trade shows, Point of Purchase, framing
Anywhere you need easy access or quick assembly

Part Number		Price per ft.
90-0015-00	3M Dual Lock™ Low Profile Reclosable Fastener	1.50

VELCRO® HOOK AND LOOP TAPE

- For fastening a wide variety of items
- Adhesive backing
- .75", 1" or 2" wide tape
- Color: Black
- 25 yards. per roll
- Sold per yard

Part Number		Price per yd.
90-0003-03	.75" Velcro Loop Side Only	2.30
90-0004-03	.75" Velcro Hook Side Only	2.30
90-0003-01	1" Velcro Loop Side Only	3.45
90-0004-01	1" Velcro Hook Side Only	3.45
90-0003-02	2" Velcro Loop Side Only	4.35
90-0004-02	2" Velcro Hook Side Only	4.35

VELCRO ONE-WRAP CABLE TIES

- Hundreds of uses
- Ideal for cord and cable control
- Can be reused numerous times
- Size: .5" wide x 6" long
- Color: Black

Part Number		Price per ea.
90-0011-00	Velcro One-Wrap Cable Ties	.52

THERMAL PRINTER CLEAN-PENN™

- Specially designed to remove ink, dirt and contamination buildup on thermal print heads
- Allows printer to printer cleaner, clearer and crisper
- Just swipe CLEAN-PENN™ across entire printer head surface
- Use every time paper stock is changed

Part Number		Price per ea.	L/24
29-0003-00	Thermal Printer CLEAN-PENN™	1.30	1.30

HAPP DOLLAR BILL CLEANING CARD

- To clean, just insert like a dollar bill
- Works on all Gaming, Amusement and Vending bill validators
- Greatly increases the acceptance of dollar bills by cleaning & maintaining the hard to reach insides of the bill validators
- Special cleaning solution will not harm rubber belts
- Cleans, lubricates and protects all in one easy motion

Part Number		Price per ea.	L/50
29-1009-00	Happ Dollar Bill Cleaning Card	.85	.75

"ALCOHOL FREE" DOLLAR BILL CLEANING CARD

- Protect your equipment
- Works on all dollar bill validators
- Removes dirt, oil, and other contaminants from magnetic heads and photo and optic sensors
- Safe, easy and effective
- Will not harm rubber belts
- Will not fog up optic sensors

Part Number		Price per ea.	L/50
29-1167-00	"Alcohol Free" Cleaning Card	1.10	.95

HAPP MAG STRIPE READER CLEANING CARD

- Helps performance and durability of your equipment
- Used regularly, they will save you time & money in equipment repairs & downtime
- Cleans dirt, oil and residue from magnetic, optical and bar code reading equipment
- Double-sided cleaning card cleans any way you swipe
- Works on ATM's, Hotel Door Locks, Video Vending Machines, Telephones, Gas Pump Credit Card Readers, and many more applications

Part Number		Price per ea.	L/50
29-1009-30	Happ Mag Stripe Reader Cleaning Card	.85	.75

HAPP THERMAL PRINTER CLEANING CARD

- Improves print quality and legibility
- Protects your equipment - increases printer life, reliability and performance
- Works on all thermal printers
- Use before inserting each roll of paper
- Safely removes all dirt, ink, tape, residue, adhesive and other contaminants from thermal print heads, paper guides and paper path

Part Number		Price per ea.	L/50
29-0005-00	Happ Thermal Printer Cleaning Card	1.10	.95

EZ THERMAL PRINTER CLEANING CARDS

- Cleans direct/thermal transfer printers, ATB ticket printers, label printers, Point-of-Sale terminals, ID card and bar code printers
- Pre-saturated, disposable cleaning cards for thermal printers
- Improves printer quality and performance
- Safely and effectively removes all dirt, ink, tape and adhesive residue, and other contaminants from thermal print heads, paper guides and paper path
- 2-1/2" x 6" opaque; contains 99% isopropyl alcohol
- Box of 25 cards

Part Number		Price per ea.
29-0339-00	Thermal Printer Cleaning Cards, Box of 25	19.20

BILL VALIDATOR WAFFLE-TECHNOLOGY CLEANING CARDS

NEW

- Color: white; alcohol-free
- 15 cards per box
- Dramatically outperforms normal flat cleaning cards
- Incorporates flexible, raised platforms on the top and bottom surfaces
- Springs up into surface cavities to clean recessed sensors
- Cleans entire rounded surface of magnetic heads
- Effectively cleans leading and trailing surfaces of rounded optical lenses
- Ten times higher cleaning pressure, cleaning in both directions

Part Number		Price per ea.
29-0326-00	Waffle Technology Cleaning Cards	37.75

WAFFLE-TECHNOLOGY™ CARD READER CLEANING CARDS

NEW

- Cleans the entire surface of CR80 debit/credit card readers
- New and improved, .019 thick version
- Color: white; alcohol
- Box of 40 cards
- Dramatically outperforms normal flat cleaning cards
- "Wave Waffletechnology" design to gently but firmly roll along the magnetic heads
- Cleans the leading, top, and trailing edge of the magnetic head
- Reaches into the reader pathway where dirt builds up and migrates to the magnetic heads
- "Reinforcement Technology" designed to ensure stability of cleaning card
- For more information, go to: www.waffletechnology.com

Part Number		Price per ea.
29-0329-10	Waffletechnology™ Card Reader Cleaning Cards, .019 thick	36.75

WD-40

- Lubricates – contains no additives that attract dust and dirt
- Cleans – gets under dirt, oil, grease & grime to clean the surface
- Displaces moisture and is a non-conductor of electricity
- Quickly eliminates moisture induced short circuits
- Penetrates to loosen rust from metal
- Protects with corrosive resistant ingredients

Part Number		Price per ea.	Case
29-1041-00	WD-40, 2 oz. Aerosol can, 24 per case	3.40	3.05
29-1042-00	WD-40, 11 oz. Aerosol can, 12 per case	5.70	5.10
29-1043-00	WD-40, 16 oz. "Industrial Size" Aerosol can,12 per case	7.35	6.65

SILICONE SPRAY, FOOD GRADE

- Economical food grade silicone spray, FDA compliant
- Clean, dry, lubricates without spotting or odor
- 3% silicone content
- 16 oz can, available 12 per case

Camie

Part Number		Price per ea.
29-1032-20	Camie 710 Silicone Spray	4.15

SILICONE SPRAY

- Clean, dry, silicone spray, lubricates without spotting
- Inhibits rust, repels water
- Net wt. 20 oz.
- 12 per case
- Mild odor
- Can use on plastic or painted surfaces
- NON food grade

Camie

Part Number		Price per ea.	L/12
29-1032-00	Silicone Spray	7.00	6.30

DURA SHIELD CLEANER & POLISH

- Removes dust, grease, fingerprints, smoke film, etc.
- Safe to use on Plexiglass, Lexan, Lucite, polycarbonates, and other acrylic surfaces
- Excellent for TV's, VCR's, mirrors, stainless steel, windows, eye glasses, etc.
- Contains no harsh chemicals or abrasives
- Will not harm or dull factory protected finishes
- 16 oz spray bottle - 12 per case

Part Numbe		Price per ea.	L/12
29-1129-00	16 oz. Dura Shield Cleaner & Polish	7.10	6.40

HAPP GLASS CLEANER

- Best glass cleaner in the industry
- Fast & effective foam spray
- Non-streaking
- Non-ammoniated
- Safely used on glass, touchscreens, chrome, plastic, enamel & tile
- Large 20 oz. size
- 12 per case

HAPP®

SHIPPED UPS GROUND OR TRUCK ONLY

Part Number		Price per ea.	L/12
29-1018-00	Happ Glass Cleaner	2.95	2.65

HAPP PLEXI-CLEAN FOAMING ANTI-STATIC CLEANER AND POLISHER

- Great on touch screens, CRT & video screens
- Formulated for plastic, glass, plexiglass, chrome, plastic mirrors, Formica
- Cleans and polishes
- Anti-static, anti-fog
- Removes dirt, grease, nicotine, and fingerprints
- Will not streak, smear, or scratch
- Excellent on video security camera lenses
- Fast drying, reduces glare
- Safe on the ozone
- 19 oz. aerosol
- 12 per case

HAPP®

SHIPPED UPS GROUND OR TRUCK ONLY

Part Number		Price per ea.	L/12
29-1175-10	Happ Plexi-Clean Cleaner & Polisher	4.40	3.90

HAPP FOAMING COOLING COIL CLEANER

- Adds life and efficiency to the refrigeration compressor
- Cleans away grease and dirt simply by spraying on
- Spray the coils completely from the air intake side, the dirt and grime is pulled through to the filter by the forced air
- Pleasant lemon scent
- Convenient 18 oz. aerosol
- 12 per case

HAPP®

SHIPPED UPS GROUND OR TRUCK ONLY

Part Number		Price per ea.	L/12
29-1014-00	Happ Foaming Cooling Coil Cleaner	4.45	4.00

HAPP ALL-PURPOSE CLEANER

- Completely cleans all types of surfaces including:formica, playfields, wood, metal and glass
- Removes marks from pool balls, bowling pins and shuffle alley board
- 18 oz. aerosol can makes cleaning easy, simply spray on and wipe off
- 12 per case

HAPP®

SHIPPED UPS GROUND OR TRUCK ONLY

Part Number		Price per ea.	L/12
29-1000-00	Happ All-Purpose Cleaner	4.35	3.90

PROMAGIC STAINLESS STEEL CLEANER

- Cleans, polishes and brightens stainless steel
- Polishes to a non-greasy invisible coating, resisting future dirt and fingerprints
- Almond scented
- 18 oz. spray can
- 12 per case

SHIPPED UPS GROUND OR TRUCK ONLY

Part Number		Price per ea.	L/12
29-1039-00	Promagic Stainless Steel Cleaner	4.90	4.45

HAPP VANDAL MARK REMOVER

- Excellent for removing graffiti
- Removes spray paint, crayon, scuff marks and most inks
- Safe for use on brick, steel, brass, vinyl and most other surfaces
- Net weight 16 oz.
- 12 per case

HAPP®

FLAMMABLE! Ground Freight Only

Part Number		Price per ea.	L/12
29-1016-00	Happ Vandal Mark Remover	5.40	4.85

TERGO ULTRA MICROFIBER CLEANING CLOTHS

Never Buy Cleaners And Chemicals Again – Just Wet, Wring, And Wipe

- An alternative way to clean with only ordinary tap water
- Great for slot machines, vending machines, video games, etc.
- Just dampen cloth with tap water only
- Wedge shaped Ultra Microfibers trap and remove dirt and dust particles
- Don't be fooled – this is ultra microfiber not microfiber – there is a difference
- Economical - eliminates the need for toxic cleaning chemicals, paper towels or sponges
- Lasts for years – can be machine washed over 600 times
- Picks up the smallest particles – proven to pick up bacteria
- Fiber Type: Ultra Microfiber
- Made in Sweden

TERGO ULTRA MICROFIBER GLASS CLEANING CLOTH

- Woven cloth designed for cleaning glass, plexi-glass, chrome, stainless steel and similar smooth surfaces
- Surfaces air-dry to a lint and streak- free shine leaving no residue
- Easily cleans away dirt, smoke film, fingerprints, and more
- Color: Blue
- Composition: 50% Polyester – 50% Polyamide
- Size: 12" x 12"

Part Number		Price per ea.
27-1428-00	Tergo Ultra Microfiber Glass Cleaning Cloth	7.20

TERGO ULTRA MICROFIBER MULTI-PURPOSE CLEANING CLOTH

- Knitted cloth with double sided loops for cleaning all types of surfaces
- Specially developed for removing heavy amounts of loose and ingrained dirt
- Use dry for dusting & polishing static electricity and the fine fibers contribute to the attraction of dust
- Use wet for general cleaning, heavily soiled, greasy or outdoor areas
- Color: yellow
- Composition: 80% Polyester – 20% Polyamide
- Size: 16" x 16"

Part Number		Price per ea.
27-0240-00	Tergo Ultra Microfiber Multi-Purpose Cloth	7.20

INSTRUCTIONS FOR USE

The Glass cloth works best just slightly dampened with water. Either sprinkle water on the entire cloth or wet half the cloth. In most cases there is no need to wipe the surface dry after the cloth has been used, as evaporation enables surfaces to air-dry to a lint and streak-free shine. You can also spray water directly on the surface to be cleaned and wipe with a dry cloth.
(Note: if water marks appear, the cloth may have been too dirty or wet).

INSTRUCTIONS FOR CLEANING

To improve the lifespan of the Tergo cloths, it is necessary to wash them on a regular basis. For quick cleaning after use, simply hand wash in hot water, or use a very small amount of dish or laundry detergent. Do not use hand soap as it contains oil. Be sure to rinse well. Wash the cloths in the washing machine, when required, in hot water with your normal load. Either air or tumble-dry, up to 90 degrees. Do this when required or whenever the cloth looks soiled. Periodically boil the cloths in water for a few minutes on your stovetop. This disinfects and causes the fibers to swell releasing trapped grease and dirt. Tergo cloths can be machine washed over 600 times (lasting several years).

Important: The Tergo cloths should not be ironed, nor washed with conditioner/fabric softener or dryer softener sheets, as it would reduce the cloth's static electricity! (Boil the cloth to remove any residue, if fabric softener is used). Avoid washing in a load with terry towels, unless you put them in a mesh bag for delicates to prevent lint build up. The cloth should not be used with stainable materials such as paints and inks. It's best to use enviro-safe detergent if possible. DO NOT USE CHLORINE BLEACH or abrasive solutions for cleaning or washing. This will shorten the life span of the cloth.

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What is eHapp?

WYPALL® L40 WIPERS

- Convenient, strong and reusable
- Unique Double Re-Crept base sheet technology to absorb liquids efficiently
- Low cost, high quality
- Virtually lint free
- Size: 11" W x 10.4" L
- Color: White
- 90 per box, 9 boxes per case
- Usage can be easily monitored with easy to use Pop-UpR Box
- Durable Pop-UpR box to protect from dirt and water
- Non-abrasive material, soft enough for use on face and hands

Part Number		Price per ea.	L/12
27-0105-00	Wypall® L40 Wipers	10.10	9.10

HEAVY-DUTY ECONOMIZER TOWELS

- Strong and absorbent
- Great for cleaning machines!
- Large Size: 9.8" x 16.4"
- Non-abrasive material
- 120 wipers per box
- 6 boxes per case
- Color: white

Part Number		Price per ea.	L/12
27-1388-00	Heavy-Duty EconoMizer Towels	13.80	12.40

SANI-TUFF WATERLESS WIPES

- Great for cleaning machines or hands
- Pre-moistened with cleanser reduces trips to the sink
- Dual textured wiper removes a wide range of soil such as oil, grease, grime, paint, etc.
- 75 wipers packed in a portable plastic bucket
- Pleasant citrus odor
- Large 12" x 12" wiper
- Sold per bucket, 6 buckets per case

Part Number		Price per ea.
27-1387-00	Sani-Tuff Waterless Wipes	31.75

CAUTION SAFETY TAPE

- Non-pressure sensitive vinyl barricade tape
- High visibility
- 3" W x 1000 ft.
- 8 per case

Part Number		Price per ea.	L/8
27-1224-00	Caution Safety Tape	11.65	10.50

WILDCAT #125 PLAYFIELD CLEANER & POLISH

- Excellent for cleaning and shining pinball playfields and air hockey games. Note: Turn air hockey table on before applying Wildcat 125
- The best thing you can do for your playfield is to keep it clean
- New style bottle prevents evaporation
- 12 per case

Part Number		Price per ea.	L/12
25-1333-00	Cleaner & Polish (Pint Size)	14.80	13.30

WILDCAT PBC-15 POOL BALL CLEANER

- Specially designed to clean and polish billiard balls
- WIll help retard the deterioration of cloth by keeping billiard balls clean
- Ideal for use by hand or machine
- Cleans and polishes billiard balls in 1 step
- 16 oz. bottle
- 12 per case

Part Number		Price per ea.	L/12
26-1263-00	PBC-15 Pool Ball Cleaner	14.30	12.85

WILDCAT TR-60 TAPE REMOVER

- Safely removes tape & adhesive from most surfaces
- 16 oz. squeeze bottle
- New style bottle prevents evaporation
- 12 per case

SHIPPED UPS GROUND OR TRUCK ONLY

Part Number		Price per ea.	L/12
29-1004-00	TR-60 Tape Remover	14.90	13.40

WILDCAT RC-88 RUBBER RING CLEANER

- Designed to give longer life and better play to all rubber products
- Rubber looks and stays new longer
- Cleans, protects & restores
- 16 oz. can
- 12 per case

SHIPPED UPS GROUND OR TRUCK ONLY

Part Number		Price per ea.	L/12
29-1005-00	RC-88 Rubber Ring Cleaner	13.75	12.35

WILDCAT CDC-100 COMPACT DISC CLEANER

- Insure maximum results with your compact discs
- Removes all fingerprints & foreign material
- Helps prevent static
- New style bottle prevents evaporation
- 12 per case

Part Number		Price per ea.	L/12
29-1003-00	16oz Compact Disc Cleaner	14.90	13.40

WILDCAT APC-30 FELT CLEANER

- Pool cloth cleaner; also great for Black-Jack, Craps & other games with felt cloth coverings
- Designed to lift chalk dust, light stains and soil from felt
- Gentle non-staining foam cleaner that lifts the soil to the surface and allows you to wipe the surface clean
- Heavy duty cleaner designed for dirty surfaces
- Also cleans metal, plastic, wood & painted surfaces
- No rinsing needed
- 18 oz. aerosol can
- 12 cans per case

SHIPPED UPS GROUND OR TRUCK ONLY

Part Number		Price per ea.	L/12
29-1001-00	Wildcat APC-30 Felt Cleaner	14.30	12.85

WILDCAT TOUCHDOWN CLEANER

- Video screen cleaner safely removes dirt, dust, fingerprints & smudges
- Safe to use on touch screens
- Leaves a clean protective coating to repel future grime
- Helps prevent scratches
- 16 oz. bottle
- New style bottle prevents evaporation
- 12 per case

Part Number		Price per ea.	L/12
29-1030-00	Wildcat Touchdown Cleaner	15.55	14.00

WILDCAT SUPER CONTACT CLEANER

- Non-conductive
- Non-corrosive
- Can be used on any surface, will not harm any plastic or synthetics
- High purity content
- Fast evaporation
- Non-flammable
- 14 oz. aerosol can
- 12 per case
- Cleans all delicate instruments & equipment chassis

FLAMMABLE Ground Freight Only

Part Number		Price per ea.	L/12
29-1002-00	Wildcat Super Contact Cleaner	26.60	23.95

Visit Our Web Site:
happ.com
for NEW Product Updates!!

SUN-GLO, SHUFFLEBOARD WAX

Listed In Order of Speed

SUPER-GLIDE SHUFFLEBOARD WAX

- Best shuffleboard wax anywhere
- Fastest wax from Sun-Glo®
- Pure silicone ball bearings
- Shaker top allows even dispensing
- 1 lb. Cans
- 24 per case

TOURNAMENT GOLD SHUFFLEBOARD WAX

- Approved by champions
- Extremely fast, but still allows intensive control
- High-Quality wax created especially for tournament play
- Not for dance floors
- Easy pour top allows even dispensing
- Second fastest Sun-Glo® wax
- 1 lb. Cans
- 24 per case

BROWN BEAR SHUFFLEBOARD WAX

- Another best seller of Sun-Glo® products
- Third fast wax from Sun-Glo®
- Perfect for a fast game with solid control
- Shaker top allows even dispensing
- 1 lb. Cans
- 12 per case

5-STAR SHUFFLEBOARD WAX

- A traditional favorite of shuffleboard players
- Slower formula allows more control
- Shaker top allows even dispensing
- Fifth fastest wax from Sun-Glo®
- 1 lb. can
- 12 per case

BOWLER SHUFFLE ALLEY WAX

- Provides a waxed surface without high speed
- Designed for older bowling shuffle alley games
- Shaker top allows even dispensing
- Contains no silicone balls
- Slowest wax in the line-up
- 1 lb. Cans
- 24 per case

MASTER GLAZE LIQUID WAX

- First step to revitalize the shuffleboard
- Creamy rich liquid polishes to a high glaze
- Apply first, then maintain with other Sun-Glo® waxes
- Quart size cans
- 12 per case

SILICONE SPRAY

- Specifically designed for Shuffleboard games
- Fast drying, leaves no greasy or oily film
- Simply spray a light film on a clean surface, then reapply powder for a fast shuffleboard
- Eliminates tracking and saves powder
- 12 oz. net wt.
- 12 per case

SHIPPED UPS GROUND OR TRUCK ONLY

Part Number		Price per ea.	Case
49-0469-00	Super-Glide Shuffleboard Wax, 24 per case	4.60	4.10
29-0269-00	Tournament Gold Shuffleboard Wax, 24 per case	5.10	4.60
49-0482-00	Brown Bear Shuffleboard Wax, 12 per case	5.10	4.40
29-1020-00	5-Star Shuffleboard Wax, 12 per case	4.10	3.40
29-1057-00	Shuffle Alley and Bowler Wax, 24 per case	4.55	3.50
29-1034-00	Master Glaze Liquid Wax, 12 per case	12.95	11.75
29-1089-00	Silicone Spray, 12 per case	9.75	8.70

PLAYFIELD CLEANERS & POLISHES

Novus Cleaner & Polish

- Cleans and protects playfield surface for long life
- Special formula removes light to heavy scratches in playfields and plexiglass
- Recommended by major pinball manufacturers

Mills Pinball Playfield Wax & Cleaner

- Excellent one step non-abrasive playfield wax and cleaner
- Great cleaner for rubber rings
- 16 oz. squeeze btl.,12 per case

Wildcat #125 Playfield Cleaner & Polish

- Excellent in cleaning pinball playfields
- Excellent for removing and cleaning up wax buildup in vending machines "price tab holders"
- New style bottle prevents evaporation
- 12 per case

C

D

Gemini CP-100 Playfield Cleaner & Polish

- Excellent for playfields, pool balls, rubber rings, etc.

A NOVUS CLEANER & POLISH		Price per ea.	Price per case
25-1328-00	Novus #1, 8 oz. bottle, 24 per case	4.60	4.10
25-1329-00	Novus #2, 8 oz. bottle, 24 per case	6.25	5.65
25-1334-00	Novus #3, 8 oz. bottle, 24 per case	8.30	7.50
25-1330-00	Novus #1, 64 oz. bottle, 12 per case	14.45	13.00
25-1331-00	Novus #2, 64 oz. bottle, 12 per case	32.15	28.95

B MILLS PINBALL PLAYFIELD WAX & CLEANER		Price per ea.	L/12
29-1040-00	Mills Pinball Playfield Wax & Cleaner	8.50	7.65

C WILDCAT #125 PLAYFIELD CLEANER & POLISH		Price per ea.	L/12
25-1333-00	Cleaner & Polish (Pint Size)	14.80	13.30

D GEMINI CP-100 PLAYFIELD CLEANER & POLISH		Price per ea.	Price Full case
29-1095-00	Cleaner & Polish (16 oz.), case/12	8.30	7.45
29-1051-00	Cleaner & Polish (8 oz.), case/24	4.55	4.10

ISOPROPYL ALCOHOL

- Extremely pure alcohol
- Frequently recommended by manufacturers of tape drives
- Leaves no residue
- Non-aerosol
- Screw-top can
- 16 oz. can
- 12 cans per case

Part Number		Price per ea.	L/12
29-1125-00	Isopropyl Alcohol	10.20	9.20

SCOT'S CITRUS CLEAN REMOVER

- Dissolves tape, tar, gum, permanent marker, glue, grease and more
- Removes chewing gum, price stickers, lipstick, tape residue, crayon, oil, and more
- Water-based non-oily formula contains no petroleum distillates
- Great for use on video games, vending machines and slot machines
- Clean smelling citrus scent
- 8 fl. oz. bottle
- Packed 6 per case

Part Number		Price per ea.
29-0237-00	Scot's Citrus Clean Remover	6.80

SIMPLE GREEN CLEANER

- Great all-purpose cleaner
- Non-toxic, biodegradable formula removes grease, grime and dirt on parts
- Safe to use cleaning hands
- Water-based concentrate can be used full strength for tough jobs, or dilute for easier jobs
- 1 gallon size, 6 per case

Part Number		Price per ea.	L/6
29-1037-00	Simple Green Cleaner	29.30	26.40

FLUX REMOVER AND CLEANER

- Removes all types of organic flux
- Pinpoint applicator supplied
- Convenient, fast and ready to use
- Non-flammable
- 16 oz. can
- 12 cans per case

Part Number		Price per ea.	L/12
29-1134-00	Flux Remover and Cleaner	8.75	7.85

BUTANE GAS REFILL

- Premium grade butane
- For use with Portasol soldering tool and similar tools
- Contains no contaminants
- Will not clog valves or deactivate catalytic conversion materials
- Net Wt. 3 fl.oz.
- Can be shipped via ground only

Part Number		Price per ea.
29-1055-00	Butane Gas Refill	6.80

MINI DUST GUN 100 COMPRESSED AIR

- A powerful blast of air!
- Ideal size for tool boxes – only 4.25" high x 1.5" diameter
- Instantly removes microscopic dust and lint
- Completely dry; leaves no residue
- Non-toxic, odor free
- 100% ozone safe
- Non-flammable – contains no ether
- Extension nozzle included
- 2.5 oz.

Part Number		Price per ea.
29-0007-00	Mini Dust Gun 100 Compressed Air	5.30

URN CLEANER

- Eliminates stale odors and bad taste from coffee
- Great for metal and glass fixtures. (Not recommended for aluminum)
- Easy to use 1 oz. package
- Minimum order 10

Part Number		Price per ea.	L/50
29-1160-00	Coffee Urn Cleaner	.40	.35

PLASTIC SPRAY BOTTLE

- Trigger Release
- 24 oz. size

Part Number		Price per ea.
29-1122-00	Plastic Spray Bottle	4.05

BAD AIR SPONGE

Not an Air Freshener but A True Odor Neutralizer!

- Great for coffee machines - eliminates foul odor from old coffee grounds
- Neutralizes odors such as cigarette and cigar smoke, cooking, garbage, decay, solvents, mildew, gasoline, etc.
- Used in areas such as vending machines, food prep areas, restrooms, casinos, hotel guestrooms, bars, warehouses, offices, storage areas, etc.
- USDA approved for food applications
- Works 3 ways - adsorbs, entraps and neutralizes odors
- Based on a patented formula the Bad Air Sponge is a solid, paste-gel containing activated charcoal
- A passive, safe product that simply evaporates when opened
- Non-toxic, non-flammable and environmentally safe
- 1 lb. canister

Part Number		Price per ea.	L/24
27-1450-00	Bad Air Sponge	16.00	14.35

HAPP ENVIRO-DUSTER

- A powerful blast of compressed air
- Use on electronics, optics and more
- Pinpoint blasting spray
- Non-toxic and odor free
- Non-flammable
- High purity – no residue
- Moisture free
- Non-ozone depleting
- 12 oz. can with built-in continuously variable trigger valve and extension nozzle
- 12 per case

HAPP®

SHIPPED UPS GROUND OR TRUCK ONLY

Part Number		Price per ea.	L/12
29-1900-00	Happ Enviro-Duster	8.80	7.95

SCALE CLEAN BY EVERPURE

- Used in coffee urn on all types of vending machines
- All natural, biodegradable, non-toxic/corrosive and environmentally safe
- Delimes
- Safe, organic formula eliminates scale without foul fumes

EVERPURE

Part Number		Price per ea.	Price per case.
29-1049-00	1.75 oz Package, 12 per case	2.40	2.30
29-1061-00	2.2 lb. Bag, 4 per case	19.25	17.95

SQUEAK'N CLEAN COFFEE POT CLEANER

- Keeps coffee machines, pots and brew baskets clean for better tasting coffee
- 100% Non-Toxic
- Prevents coffee oil build-up odors and stains
- Contains no acids, perfumes or abrasives
- Leaves No after-taste
- Requires no boiling, no soaking; simply apply 3 or 4 squirts to area to be cleaned,apply hot water, bathe and rinse
- 12 oz. bottle

Part Number		Price per ea.	L/12
29-1165-00	Squeak'n Clean Coffee Pot Cleaner	3.00	2.70

NICKEL SAFE ICE MACHINE CLEANER

- Safely removes scale deposits from ice machines
- Safe on nickel plated or tin evaporators
- 16 fl. oz., 24 per case

Part Number		Price per ea.	L/12
29-1019-00	Nickel Safe Ice Machine Cleaner	10.75	9.70

TECHSPRAY FLUX REMOVER G3™

- Designed specifically for removing R, RA, RMA and SA type flux residues after high temperature reflow.
- Can also be used as an all-purpose cleaner to remove light oils, silicones, waxes, greases and other similar contaminants
- Formulated to be a direct replacement for all defluxers containing HCFC-141b
- Non-ozone depleting
- Non-flammable
- Safe on most plastics
- Zero residue
- Rapid evaporation
- 16 oz. aerosol
- Tech Spray No. 1631-16S

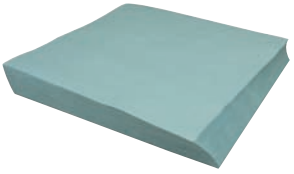
SHIPPED UPS GROUND OR TRUCK ONLY

TECHSPRAY™

Part Number		Price per ea.	L/12
29-0207-00	Techspray Flux Remover G3™	26.05	23.45

TECHSPRAY TECHCLEAN® SMT BLUE WIPES

- Specifically designed for general maintenance
- Lint free - particle free
- Extra absorbent to capture liquids
- Cellulose/polyester wipes with extra low particulate and chemical extractables
- Sold in packages of 300



TECHSPRAY™

Part Number		Price per ea.	L/12
27-0038-00	Techspray TechClean SMT Blue Wipes	50.45	45.40

TECHSPRAY BLUE SHOWER G3™ CLEANER/DEGREASER

- Effective in cleaning electronic equipment, machinery, metal parts and other general cleaning applications
- Innovative blend designed for precision cleaning of polar and non-polar soils including hand and solder oils, greases, silicones, fluxes, etc.
- New patented technology is direct replacement for all cleaner/degreasers containing HCFC-141b
- Non-ozone depleting
- Non-flammable
- Safe on most plastics
- Zero residue
- Rapid evaporation
- 16 oz. aerosol
- Tech Spray No. 1630-16S

SHIPPED UPS GROUND OR TRUCK ONLY

TECHSPRAY™

Part Number		Price per ea.	L/12
29-0209-00	Techspray Blue Shower G3™ Cleaner / Degreaser	28.45	25.60

TECHSPRAY ENVI-RO-TECH DUSTER

- Exceptionally pure inert dusting gas
- Moisture free inert gas removes particles without the use of harmful solvents
- Removes microscopic contaminants, lint, dust, metallic oxide deposits and other soils
- Formulated with HFC-134a which has a zero ozone depletion factor
- Non-Flammable
- Odorless
- Zero Residue
- 10 ounce and 15 ounce aerosol available
- 12 per case

SHIPPED UPS GROUND OR TRUCK ONLY

TECHSPRAY™

Part Number		Price per ea.	L/12
29-0046-00	ENVI-RO-TECH Duster 10 oz.	13.80	12.40
29-0047-00	ENVI-RO-TECH Duster 15 oz.	19.00	17.10

TECHSPRAY CONTACT CLEANER G3™

- Precision blend designed for removing oils, greases, silicones, dirt and other grime from all types of switches, relays, contact pads and other electrical connections
- New patented technology is direct replacement for all contact cleaners containing HCFC-141b
- Non-ozone depleting
- Non-flammable
- Safe on most plastics
- Zero residue
- Rapid evaporation
- 16 oz. aerosol
- Tech Spray No. 1632-16S

SHIPPED UPS GROUND OR TRUCK ONLY

TECHSPRAY™

Part Number		Price per ea.	L/12
29-0208-00	Techspray Contact Cleaner G3™	28.50	25.65

TECHSPRAY ZERO CHARGE® SCREEN & KEYBOARD CLEANER

- Eliminates static charge from sensitive surfaces and provides long-term static protection
- For optical clarity and distortion free reading
- Removes hand oils, ink marks, dust, fingerprints, nicotine, syrup, carbon and other soils
- Safe on plastic, ceramics, glass, metal and elastomers
- Non-streaking
- Non-ozone depleting
- 50 pre-saturated packets per box; 10 boxes per case
- Sold in boxes of 50

TECHSPRAY™

Part Number		Price per ea.	L/12
29-0059-00	Techspray Zero Charge® Screen and Keyboard Cleaner	28.20	25.40

ENVI-RO-TECH FREEZER

- HFC-134a based rapidly evaporating liquid that chills to -620F
- Used as a troubleshooting aid for electronic components
- Detects cold solder joints, printed circuit board cracks and oxidized junctions
- Will not harm the ozone
- Net wt. 10 oz., 12 per case

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TECHSPRAY™

Part Number		Price per ea.	L/12
29-1056-00	Envi-Ro-Tech Freezer	14.20	12.80

TECHSPRAY TECH HOLD®

- General Purpose, single component, cyanoacrylate adhesive
- High strength, fast bonding and high impact holding
- Fast acting and durable bonding
- Meets or exceeds MIL-A-46050C Type II, Class 2
- 3 grams

TECHSPRAY

Part Number		Price per ea.
29-0195-00	Techspray Tech Hold®	3.40

TECHSPRAY BLUE SHOWER II

- General purpose cleaner and degreaser
- Non-flammable and safe on most plastics
- For precision cleaning of polar and non-polar soils including hand soils, solder soils, greases, silicone, fluxes and similar soils
- Excellent for tape head cleaning
- Evaporates rapidly
- Zero residue
- Non-corrosive
- Low ozone depletion

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TECHSPRAY™

Part Number		Price per ea.	L/12
29-0044-00	Blue Shower II, 18 ounce	41.55	37.40

TECHSPRAY PREP PADS

- Pre-saturated isopropyl alcohol packets
- 99.6% pure anhydrous isopropanol for general purpose cleaning
- Excellent for tape head cleaning, removal of fluxes, light oils, polar soils and white mineral residue
- Can be used as a thinner for most fluxes
- Non-ozone depleting
- Safe on plastics
- Zero residue
- Non-corrosive
- 50 pre-saturated packets per box; 10 boxes per case
- Sold in boxes of 50

FLAMMABLE Ground Freight Only

TECHSPRAY™

Part Number		Price per ea.
29-0028-00	Techspray Prep Pads	27.50

TUFOIL® LUBIT 8®

- Light weight, pen size oiler dispenses 1 drop of oil at a time, when and where you want it
- Pocket clip makes it easy to carry all the time
- 1/4 fl. oz.

Part Number		Price per ea.	L/12
29-1036-00	Tufoil Lubit 8®	6.60	5.95

ZOOM SPOUT OILER

- The finest all-purpose turbine oil uniquely packaged to reach those hard to get to areas
- Telescoping spout extends out of the bottle up to 14" long
- A must for every toolbox
- Withstands high temperatures
- Net wt. 4 fl. oz., 72 per case

Part Number		Price per ea.	L/12
29-1033-10	Zoom Spout Oiler	1.70	1.50

MR. ZIP® EXTRA FINE GRAPHITE

- Mr. Zip® Extra Fine Graphite
- Dry powder graphite is great for lubricating all surfaces including wood, metal, plastic & rubber
- .21 oz. tube (6 g)
- 12 per case

Part Number		Price per ea.	L/12
29-1010-00	Mr. Zip® Extra Fine Graphite	3.10	2.80

LUBRIPLATE

- This paste-like lubricant works great on gears, motors, engines
- Provides protection against friction, wear, heat, rust & corrosion

Part Number		Price per ea.	L/6
29-1023-00	Lubriplate 14 oz. can	11.05	9.95
29-1059-00	Lubriplate 1-3/4 oz. tube	3.90	3.50

ACID BRUSH

- 6" long
- 4 per card
- Sold each or by the card

Part Number		Price per ea.
89-0224-00	Acid Brush	1.15

PARTS CLEANING BRUSH

- Great for washing parts
- Wooden handle
- Nylon bristle
- 10" long

Part Number		Price per ea.
89-0221-00	Parts Cleaning Brush	5.30

CONDENSOR FIN WHISK BRUSH

- Clean the dirty fins in back of your machines

Part Number		Price per ea.
27-2026-00	Condensor Fin Whisk Brush	1.61

BRUSH

- Available in 1" width only

Part Number		Price per ea.
89-0223-00	1" Brush	1.20

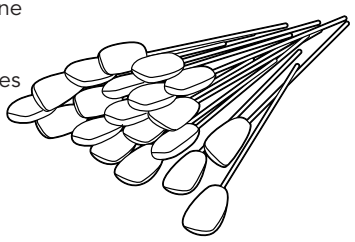
DOUBLE HEADED CLEANING SWABS

- Cotton tips swabs for general cleaning with alcohol, Freon TF, 1,1,1 Trichloroethene, etc.
- 6" long

Part Number		Price per bag
92-0028-100	Double Headed Cleaning Swabs (bag of 100)	4.87
92-0028-10	Double Headed Cleaning Swabs (bag of 1000)	40.00

POLY & COTTON LINT FREE SWABS

- A special absorbent polyurethane swab
- Has a fine texture that is gentle enough to clean delicate surfaces
- Reusable if used with solvents such as TF solvent, alcohol, etc.
- Sold in packs of 30
- 6 packs per box
- 6" wooden handle



Part Number		Price per pack
92-0023-00	Poly & Cotton Lint Free Swabs	10.05

BRASS WIRE BRUSH

- Wooden handle with brass bristles
- 10" long

Part Number		Price per ea.
89-0220-00	Brass Wire Brush	4.40

TECHSPRAY TECHNICAL CLEANING BRUSH

- 4-1/2" plated steel handle
- 1/4" and 3/16" horse hair bristles
- Ref. No. 2032-1

TECHSPRAY™

Part Number		Price per ea.
89-0009-00	TechSpray Technical Cleaning Brush	10.75

COFFEE POT BRUSH

- Curved tip
- 10-1/2" overall length
- 1-3/8" Diameter
- Laquered wood handle
- Polypropelene bristles

Part Number		Price per ea.
89-0227-00	Coffee Pot Brush	4.75

3M™ SPRAY ADHESIVE

3M SPRAY ADHESIVE #74
- Quick tack in bonding most materials: cloth, wood, plastics and metal
- 23.25 fl. oz.

3M SPRAY ADHESIVE #76
- Longer tack time – bonding in 10 minutes for a single sprayed surface, 1 hour for two coated surfaces
- Adjustable spray allows varied widths to be sprayed, eliminates spraying of too much adhesive
- 23.5 fluid oz.

3M SPRAY ADHESIVE #77
- Will initially "grab" the material, but allows time to adjust before permanent bonding
- 23 fluid oz.

3M SPRAY ADHESIVE #90
- Exceptionally strong contact adhesive
- One minute dry time
- Adjustable spray tip allows varied widths to be sprayed
- Bonds decorative laminates wood, metal, plastics and many other materials
- 16.6 fluid oz.

SHIPPED UPS GROUND OR TRUCK ONLY

3M

NOTE: #74, #76, #77 cannot be sold in the state of California

Part Number		Price per ea.	L/12
29-1006-00	3M Spray Adhesive #74, 12 per case	18.05	16.25
29-1007-00	3M Spray Adhesive #76, 12 per case	22.10	19.90
29-1008-00	3M Spray Adhesive #77, 12 per case	17.20	15.50
29-1069-00	3M Spray Adhesive #90, 12 per case	23.95	21.55

3M SCOTCHGRIP 10 CONTACT ADHESIVE

- Great solvent based adhesive
- Bonds to a wide variety of materials including many metals
- Fast drying - typically in 5 to 10 minutes
- Moisture resistant
- Sold in one quart cans (32 oz.)

3M

SHIPPED UPS GROUND OR TRUCK ONLY

Part Number		Price per ea.
29-1068-00	3M Scotchgrip 10 Contact Adhesive	24.00
89-0223-00	1" Brush	1.20

GOO GONE® PRO-POWER SPRAY GEL

- Stick with a winner that sticks
- Now in a spray gel that sticks where you spray
- New drip-free formula eliminates the mess
- Say "Goo-Bye" to sticky, gummy, greasy, gooey problems
- Safe to use on almost any surface
- Safe to breathe, natural orange scent
- Quickly eliminates: paint, adhesive, price stickers, decals, tape residue, chewing gum, oil and printer's ink
- Works great on vertical surfaces
- 14 oz. spray bottle, 12 per case

FLAMMABLE Ground Freight Only

Part Number		Price per ea.	L/12
29-0002-00	Goo Gone Pro Power Spray Gel	10.65	9.55

HAPP SPRAY ADHESIVE

- Pressure sensitive adhesive
- Strong, instant tack
- 20 oz. can
- 12 per case

SHIPPED UPS GROUND OR TRUCK ONLY

NOTE: Cannot be sold in the state of California

HAPP®

Part Number		Price per ea.	L/12
29-1017-00	Happ Spray Adhesive	8.55	7.70

CUE TIP CEMENT

- Great for attaching leather tips to cue sticks
- Will not harm leather tip
- 2 oz. tube

tweeten FIBRE CO., Inc.

Part Number		Price per ea.	L/12
26-1107-00	Tweeten Cue Tip Cement	3.25	2.70

BARGE CEMENT

- Great for recovering of pool tables
- Bonds clean, dry surfaces
- Bonds many times stronger than the strength of items being glued

Part Number		Price per ea.	L/12
29-1024-00	Barge Cement, 2 oz. Tube	4.90	4.40
29-1047-00	Barge Cement, Quart	26.80	21.45

ECLECTIC E-6000™ ADHESIVE SEALANT

- Silicone type texture that dispenses like caulk
- Aggressively grabs surface and holds; will stretch, but won't let go
- Great for sealing doors of machines
- Adheres to cement, metal, glass, tile, plastic, rubber, leather, wood & vinyl
- Waterproof/Non-flammable
- Net weight 3.7 fl. oz. tube
- 12 per case

Part Number		Price per ea.	L/12
29-1021-16	Eclectic E-6000 Adhesive – Black	7.50	6.75
29-1021-18	Eclectic E-6000 Adhesive – Clear	6.95	6.25

ORIGINAL GOO GONE

- Nothing removes sticky, gummy, gooey, greasy spots and stains better
- It really works – anywhere, anytime, on practically anything!
- Removes Stickers, grease, oil, gum, tar, crayon, tape, lipstick, etc.
- Safe to use on virtually any surface – clothing, carpets, upholstery, vinyl, metal, wood, tile, you-name-it
- Pleasant citrus odor
- 8 oz. liquid
- 12 per case

FLAMMABLE Ground Freight Only

Part Number		Price per ea.	L/12
29-1178-00	Original Goo Gone	7.75	6.95

INSTANT KRAZY GLUE

- No mixing, no mess
- One drop application
- Ideal for plastic, metal, rubber, glass and ceramic
- Net wt. .07 oz. (2 g)

SHIPPED UPS GROUND OR TRUCK ONLY

Part Number		Price per ea.	L/12
29-1044-00	Instant Krazy Glue - All Purpose	2.30	2.05

KRAZY GLUE GEL

- Best for vertical applications
- Glues up, down and sideways
- Allows repositioning
- No-clog applicator
- Bonds porous surfaces
- Larger 4 gram size
- Best for Plastic, leather, wood, ceramic, rubber, metal and pottery
- Net Wt. 0.14 oz. (4g)

SHIPPED UPS GROUND OR TRUCK ONLY

Part Number		Price per ea.	L/12
29-1159-00	Krazy Glue Gel	2.50	2.25

KRAZY GLUE WITH PRECISION APPLICATOR

- No-clog applicator
- Easy seal hanger cap
- Advanced formula bonds faster than many ordinary super glues
- Larger 5 gram size
- Best for plastic, wood, ceramic, rubber, metal and glass
- Net Wt. 0.18 oz. (5g)

SHIPPED UPS GROUND OR TRUCK ONLY

Part Number		Price per ea.	L/12
29-1185-00	Krazy Glue with Precision Applicator	3.35	3.05

LOCTITE 242® THREADLOCKER

- Locks threaded fasteners against vibration loosening
- Prevents leaks and rusting of threads
- Parts can be disassembled with hand tools
- Ideal for fasteners 1/4" to 3/4" (6 to 20 mm) in size
- O.E.M. specified as 242® Blue
- Net 0.08 fl. oz.

LOCTITE®

Part Number		Price per ea.
29-1146-00	Loctite 242® Threadlocker	4.35

Visit Our Web Site:

happ.com

for NEW Product Updates!!

DEVCON 5-MINUTE EPOXY

- Ideal for making quick repairs to metals, ceramics, wood and concrete
- Forms a clear strong bond in just 5 minutes and cures to full strength in less than one hour at room temperature
- 1 oz. size, 24 per case

FLAMMABLE! Solvent Vapor Only

Part Number		Price per ea.	L/24
29-1054-00	Devcon 5-Minute Epoxy	6.30	5.70

SUPER ADHESIVE

- Ethyl Cyanoacrylate Adhesive
- Forms strong, lasting bonds in seconds between either similar or dissimilar materials—metal, porcelain, plastic, glass, most rubbers, hardwoods, and other non-porous materials with smooth, close-fitting surfaces
- The bond resists softening at temperatures up to 320°F (160°C)
- Cures to a strength of 5000 psi
- Fills gaps to .003"
- Meets Mil. Spec. MIL-A-46050C Type I Class 2
- 1 fl. oz. [29 ml.] Bottle

Part Number		Price per ea.
29-0142-00	Super Adhesive	14.45

FLUORESCENT LAMPS

- Highlight your products with these top quality fluorescent lamps
- Name brands
- Sold in case quantities only

NEW AND IMPROVED BULB PACKAGING
ELIMINATES BULB BREAKAGE CAUSED DURING SHIPMENT
WE WILL GUARANTEE IT!

Part Number	Fluorescent	Watts	Length	Case Qty.	Price per ea. L/1 Case	Price per ea. L/3 Cases
91-3000-00	F4T5/CW	4	6"	25	3.05	2.65
91-3001-00	F6T5/CW	6	9"	25	2.75	2.25
91-3002-00	F8T5/CW (Philips)	8	12"	25	2.15	2.00
91-3002-01	F8T5/CW (Sylvania)	8	12"	24	3.05	2.35
91-3004-00	F13T5/CW	13	21"	24	5.05	4.45
91-3006-00	F14T8/CW	14	15"	24	3.45	3.15
91-3006-01	F14T8/CW (Sylvania)	14	15"	24	3.55	3.30
91-1113-00	F14T12/CW	14	15"	30	3.55	3.15
91-3008-00	F15T8/CW (Philips-Alto)	15	18"	24	2.00	1.85
91-3008-04	F15T8/CW (Philips-Not Alto)	15	18"	96	1.20	1.15
91-3008-01	F15T8/CW (Sylvania)	15	18"	24	3.30	2.65
91-3008-02	F15T8/CW (GE)	15	18"	24	1.85	1.75
91-3042-00	F15T8/D	15	18"	24	3.35	2.65
91-3018-00	F15T8/BLB	15	18"	6	8.95	7.65
91-3043-00	F15T12/D	15	18"	30	4.65	3.40
91-0911-00	F15T12/CW	15	18"	6	4.30	3.70
91-0183-00	F017/865XP/ECO	17	24"	30	4.65	4.40
91-0716-00	F17T8/CW	17	24"	25	6.55	4.40
91-3009-00	F18T8/CW/K/24 F24T8/CW/4	18	24"	24	3.55	2.85
91-3010-00	F18T8/CW/K/26 F26T8/CW	18	26"	24	3.75	3.05
91-3011-00	F18T8/CW/K/28 F28T8/CW/4	18	28"	24	3.15	2.80
91-3012-10	F18T8/CW/K/30 F30T8/CW/4	18	30"	24	3.30	2.95
91-0652-00	F20T12/BLB	20	24"	6	15.55	14.85
91-0088-00	F025/741 (T8)	25	36"	30	5.20	4.60
91-3014-00	F20T12/D	20	24"	30	4.20	3.55
91-0652-00	F20T12/BLB	20	24"	6	15.55	14.85
91-3013-00	F20T12/CW (Alto)	20	24"	30	3.05	2.35
91-0669-00	F22T8/D/24	18	22"	24	4.50	4.20
91-0655-00	F25T8/SPX30	25	36"	24	7.55	6.95
91-3016-00	F25T12/D/28	25	28"	24	4.45	3.85
91-3017-00	F25T12/CW/28	25	28"	24	3.40	3.15
91-3039-00	F25T12/CW/30	25	30"	24	3.55	3.30
91-0666-00	F25T12/WW/33	25	33"	24	9.35	8.50
91-3020-00	F25T12/CW/33	25	33"	30	4.05	3.45
91-3025-00	F25T12/D/33	25	33"	30	4.20	3.69
91-0931-00	F26T8/CW/4	19	26"	24	5.10	4.95
91-3021-00	F30T8/CW	30	36"	24	3.15	2.80
91-0115-00	F30T8/D	30	36"	24	4.10	4.10
91-3022-00	F30T12/CW/RS	30	36"	30	2.70	2.55
91-3023-00	F30T12/D/RS	30	36"	30	2.80	2.55
91-3024-00	F32T8/SP41	32	48"	36	5.45	5.15
91-0200-00	F32T8/SP65	32	48"	36	5.45	5.15
91-3026-00	F35/CW/U3	35	24"	12	9.45	8.40
91-1185-00	F36T12/CW/SP	30	36"	30	9.25	8.60
91-3051-00	F40T8/SP41	40	60"	24	7.60	7.10
91-3050-00	F40T10CW	40	48"	25	8.40	7.65
91-0958-00	F40BLB	40	48"	6	16.85	14.60
91-3027-00	F40/CWX* (T-12)	40	48"	30	2.65	2.05
91-3028-00	F40DX** (T-12)	40	48"	30	2.75	2.15
91-1188-00	F42T12/CW	36	42"	24	11.00	10.30
91-3052-00	F48T12/D-SP	40	48"	30	5.15	4.55
91-1243-00	F60T12/CW	50	60"	30	6.95	6.40
91-3029-00	F60T12/D-SP	50	60"	15	4.70	4.35
91-0668-00	F64T12/CW	50	64"	30	5.45	4.75
91-3030-00	F64T12/D-SP	52	64"	30	4.40	3.90
91-3031-00	F72T12D-SP (Alto)	55	72"	15	4.35	4.10
91-3032-00	F72T12/CW-SP	56	72"	15	6.05	5.25
91-3033-00	F96T12/CW-SP***	60	96"	15	6.50	5.90

*Replacement for F40CWI **Replacement for F40DI ***F96 lamps shipped by truck only

ECONOMY FLUORESCENT LAMPS

- Top Quality
- Sold by the case only

NEW AND IMPROVED BULB PACKAGING
ELIMINATES BULB BREAKAGE CAUSED DURING SHIPMENT
WE WILL GUARANTEE IT!

Part Number	Fluorescent	Watts	Length	Case Qty	Price per ea. L/1 Case
91-0011-10	F10T8CW	10	14"	25	2.10
91-3042-10	F15T8DW	15	18"	25	2.40

HAPP LIGHTPRO FLUORESCENT LAMPS

NEW

- New and Improved
- High quality fluorescent lamps
- Sold in case quantities

Part Number	Fluorescent	Watts	Length	Case Qty.	Ea.Price L/50	Ea. Price L/500
91-3000-20LP	F4T5/CW	4	6"	50	.97	.89
91-3001-20LP	F6T5/CW	6	9"	50	.89	.79
91-3002-20LP	F8T5/CW	8	12"	50	1.06	.94
					L/25	L/125
91-0023-20LP	F14T8/CW	14	15"	25	1.45	1.35
91-3008-20LP	F15T8/CW	15	18"	25	1.20	1.15

LAMP SELECTION GUIDE

Bulb Diameter	T5=5/8", T8=1", T10=1-1/4", T12=1-1/2"
Base	MDB= Medium Bi Pin, MNB=Miniature Bi Pin, SP Pin=Single Pin, RDC=Recessed Double Contact
Length	Measure full length from pin tips
Type	BLB =Black Light Blue HO= High Output. For use in outdoor signs. Starter required CW = Cool White D = Daylight IS = Instant Start. Slimline type with 1 pin. No starter required PH = Preheat. Requires starter PH-RS = Preheat Rapid Start. May be used with or without starter RS = Rapid Start. No starter required UBENT = U shaped lamp WW = Warm White

HIGH OUTPUT FLUORESCENT LAMPS

- Extra bright illumination increases the attractiveness of your machines, creating more demand for your products
- All high output lamps are recessed double pin contacts
- Top quality name brands
- Sold in case quantities only

NEW AND IMPROVED BULB PACKAGING

ELIMINATES BULB BREAKAGE CAUSED DURING SHIPMENT

WE WILL GUARANTEE IT!

Part Number	Fluorescent	Watts	Case Length	Qty.	Price per ea. L/1 Case	L/3Cases
91-1175-00	F24T12/CW/HO	35	24"	24	6.85	6.30
91-0909-00	F48T12/CW/HO	60	48"	24	6.40	5.65
91-0672-00	F48T12/D/HO(Alto)	60	48"	15	5.45	4.95
91-0908-00	F60T12/CW/HO	75	60"	30	5.95	5.25
91-3034-00	F64T12/CW/HO	80	64"	15	7.90	6.70
91-3035-00	F64T12/D/HO	80	64"	15	7.50	7.15
91-3036-00	F72T12/D/HO	85	72"	15	5.80	4.85
91-0022-00	F72T12/CW/HO	85	72"	15	5.60	5.05
91-3040-00*	F96T12/CW/HO/CT	110	96"	15	6.65	6.05

*F96 lamps shipped by truck only

MOD-U-LINE/CIRCLINE FLUORESCENT LAMPS

91-3026-00

91-0046-00

Part Number		Watts	Length	Case Qty.	Price per ea. L/1 Case
91-3026-00	F35CW/U/3	35	24"	12	9.45
91-0159-00	FC6T9/CW/RS	22	6.5"	12	7.85
91-0046-00	FC8T9/CW	22	8.25" dia.	12	4.20
91-0099-00	FC12T9/CW/RS	32	12" dia.	12	8.85
91-0088-00	FO25/741(T8)	25	36"	30	5.20

PLUG-IN COMPACT FLUORESCENT LAMP

- Replaces 150-Watts incandescent lamp
- Flat profile makes a perfect choice for slim, attractive luminaries
- Works great on either wall or ceiling applications
- 8" x 8" x 1"
- 4 pin plug-in lamp socket

Part Number		Watts	Price per ea.	L/20
91-0918-00	F38/2D/827/4P	5	24.55	22.05

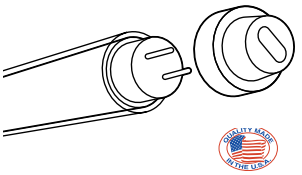
COMPACT FLUORESCENT LAMPS

- Energy and space saving compacts for the new model machines
- Radiates equal amounts of light as traditional fluorescent, in a fraction of the space
- American made

Part Number	Fluorescent	Watts	Price per ea.	L/10
91-3037-00	F5 Compact, 2700K	5	4.45	4.20
91-3038-00	F7 Compact, 2700K	7	4.90	4.35
91-3041-00	F13 Compact, 2700K	13	6.60	5.20
91-1177-00	F9 Compact, 2700K	9	4.25	3.90
91-0188-00	F9 Compact, 3500K	9	6.60	5.20

PROTECT-A-LAMP™ FLUORESCENT SAFETY SLEEVE

- Unbreakable clear plastic sleeve protects any area in case of shattering glass
- Reusable
- Includes 2 end caps; accommodates both single and double pin lamps
- Ideal for "reach-in" type machines



Part Number		Price per ea.	L/12	L/24
91-1172-00	Fluorescent Safety Sleeve for T12 Lamps	3.45	3.05	2.45
91-1183-00	Fluorescent Safety Sleeve for T8 Lamps	2.65	2.35	2.15
91-1179-00	End Caps Only, for T12 Safety Sleeve	1.45	1.30	1.05
91-1184-00	End Caps Only, for T8 Safety Lamp	1.45	1.30	1.05

LIGHT PRO LED LAMP ASSEMBLY

Stop changing fluorescents and replacing ballasts!

- LED lamp assembly replaces traditional fluorescents
- End caps can be removed and adjusted to maximize lighting
- For IGT machines simply plug the LED assembly harness into the lead that goes into the 24v electronic ballast
- Custom configurations and other sizes available.
- Mounts in fluorescent sockets same as a fluorescent
- Super bright flat LEDs in round clear 5/8" tube
- 5-year life expectancy, low power, low heat, mercury free; up to 78% in energy savings
- No ballast required; saves you money on replacement and maintenance costs
- For other machines, use 24V line
- Warranty: 2 year
- RoHS compliant
- Low current 24V AC/DC

NEW

Connector View

Part Number		Price per ea.
91-1017-00	Light Pro F15/T8 LED Lamp Assembly	36.95
91-1026-00	Light Pro F6/T5 LED Lamp Assembly	19.95
91-1047-00	Light Pro F14/T8 LED Lamp Assembly	36.95
91-1046-00	Adapter Harness for Aristocrat Games	1.99

FLURORESCENT LAMP FOR BALLY M9000 TOPPER BOX

- 36W compact fluorescent lamp for Bally M9000 Topper Box
- Sold per case of 25

NEW

Part Number		Price per ea.
91-0986-00	5W Compact Fluorescent Lamp	7.65

COMPACT FLUORESCENT FOR BALLY MONTE CARLO

- 24W compact fluorescent
- Used behind belly glass on Bally Monte Carlo

NEW

Part Number		Price per ea.
91-0771-00	Compact Fluorescent for Bally Monte Carlo	9.95

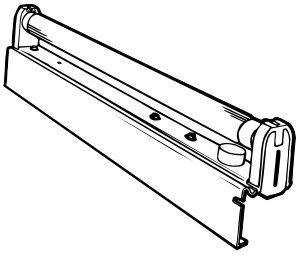
FLUORESCENT LIGHT FIXTURE

NEW

- 5 ft hideaway cordset
- On/Off switch
- UV stabilized diffuser
- Mounting screws included
- 60 watt light output, uses 15 watts
- Utility lighting mounts almost anywhere
- Compact size: 18" W x 3.5" D x 1.5" H
- F15T8 fluorescent bulb included
- Proudly Made in USA
- UL & CSA

Part Number		Price per ea.
91-0211-00	Fluorescent Light Fixture	12.65

FLUORESCENT LIGHT FIXTURE



- This popular lamp fixture easily mounts anywhere.
- Ideal for video game marquee.
- Pre-wired with everything needed to illuminate an area. Includes starter, ballast and sockets
- Includes F15T8/CW fluorescent lamp on 49-1001-00 & 49-1001-240V

Part Number		Price per ea.	L/12
49-1001-00	Fluorescent Lamp assy. complete 120V with F15T8 Lamp	15.95	14.95
49-4027-00	Fluorescent Lamp assy. 120V w/o Lamp For 24" Lamp	17.95	16.95
49-1001-240V	Fluorescent Lamp assy. 240V 50Hz with F15T8	19.95	18.95

FLURORESCENT LIGHT FIXTURE

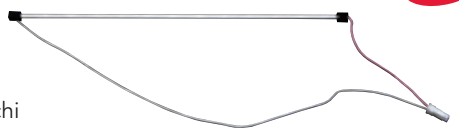
NEW

- 3 ft electrical cord
- Overall length: 48"
- For workshops, storage rooms, under cabinets, etc.
- Easy to install – hardware included
- Plastic cover for better light diffusion
- Includes everything - F36T8 lamp, electronic ballast, starter and sockets

Part Number		Price per ea.
91-0027-00	48" Fluorescent Light Fixture	14.95

COLD CATHODE FOR IGT NEXGEN PLAYER TRACKING SYSTEM

NEW



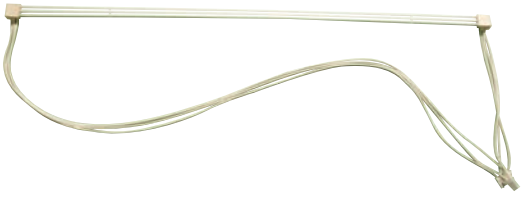
- For use with Hitachi 6.2" LCD panel
- Rated at 70,000 hours
- With or without wiring harness

Part Number		Price per ea.
91-1056-00	Cold Cathode With Wiring Harness	19.95

COLD CATHODE FOR WMS BLUE BIRD

- High output white fluorescent for WMS Blue Bird machines
- Low power consumption, 5400° K
- 360 mm, 740 volts
- 40,000 hour average life

NEW



Part Number		Price per ea.
91-1006-10	Cold Cathode For WMS Blue Bird	18.95

FLURORESCENT LIGHT FIXTURE

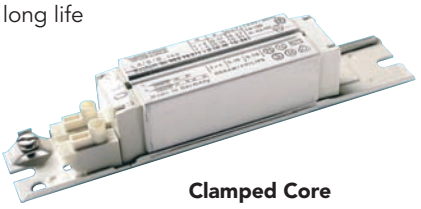
NEW

- For video game marquees, workshops, storage rooms, under cabinets, etc.
- Includes everything – F15T8 lamp, electronic ballast, starter and sockets
- Plastic cover for better light diffusion
- Easy to install
- Overall length: 20-3/8"
- Two wire leads for connection
- On/Off switch

Part Number		Price per ea.
1850	Fluorescent Light Fixture	6.95

BALLASTS

- Top quality ballasts made durable for extra long life
- Low noise
- American made



Clamped Core

Encased & Potted

Part Number	Same As Advance #	Same As GE#	Watts	Lamp Type	Used On	Volts	Leads Color/Length	No. Lamps	Ballast Type	Price per ea.
49-0468-00	RC-2S85-TP	———	35, 48, 50,60, 75, 80, 85, 100, 110	T12 High Output Rapid Start F48, F60,F64, F72, F84,F96	F24, F36, F42,	120	1 Black 18" 2 Blue 33" 2 Red 33" 2 Yellow 51" 1 White 18"	1	Encased & Potted	54.65
91-0018-00	R-2E75-S-TP	6X923	50, 52, 57, 60, 65, 75	T12 Slimline Instant Start	F60, F64, F72, F84, F9	120	1 Black 70" 1 White 70" 1 Red 46" 1 Blue 46"	2	Encased & Potted	60.23
91-0039-00	LO-13-22	2X463	13, 14, 15, 20	T8, T12 Preheat Straight"	F13, F14, F15, F20	120	1 Black 6" 1 White 6" 1 Yellow 11" 1 Black 11" 1 Red 11" 1 White 11"	1	Encased & Potted	19.25
91-0040-00	———	———	25	T12 Preheat Straight	F25	120	1 Black 14" 1 White 14" 1 White 22" 1 Red 22 " 1 Yellow 22" 1 Blue 22"	1	Encased & Potted	31.60
91-0120-00	L-140F-TP	2W769	28, 30, 32, 40	T8 & T12 Straight Preheat, T9 Circline Preheat, T4 & T6 2D Square Shaped Preheat	F28, F30, F40, FC12, FC16	120	1 Black/White 14" 1 White 43" 1 Blue 27"	1	Encased & Potted	12.95
91-0124-00	LPL—5-9	6V836	4, 6, 8	T5 Straight Preheat	F4, F6, F8	120	2 Black 9"	1	Encased & Potted	13.35
91-0126-00	RL-2SP20-TP	3X964	13, 15, 20	T8 , T12 Preheat Straight	F13, F15, F20	120	1 Black 15" 1 White 15" 2 Blue 15" 2 Red 15" 2 Yellow 18"	2	Encased & Potted	34.95
91-0128-00	R-2S40-1-TP	6X922	34, 40	T10 & T12 Straight Rapid Start, T12 U-Shaped Rapid Start	F40	120	1 Black 20" 1 White 20" 2 Blue 25" 2 Red 25" 2 Yellow 35"	2	Encased & Potted	26.85
91-0905-00	LS-113-TP	———	13	T5 Preheat Straight	F13	120	1 White 15" 1 Blue 15" 1 Black/White 15"	1	Encased & Potted	18.75
91-1226-00	LC-4-9-C	6V834	4, 6, 8	T5 Straight Preheat	F4, F6, F8	120	2 Black 10"	1	Clamped Core	4.95
91-1228-00	LC-14-20-C	2X463	14,15, 18,19, 20	T8,T12 Preheat Straight	F14,F15, F18, F19, F20	120	1 Black 17" 1 Black 14"	1	Clamped Core	4.30
91-1229-00	LC-25	6V833	25	T12 Preheat Straight	F25	120	1 Black 7" 1 Black 22"	1	Clamped Core	6.90
91-1230-00	———	———	30, 40	T12 Preheat Straight	F30, F40,	120	1 Black 26" 1 Blue 26" 1 White 26"	1	Encased & Potted	13.65

STARTERS

- Deluxe starters are UL/CSA listed
- Deluxe starters include ceramic condenser which greatly increases the life of the starter
- All starters are pre-tested to insure top quality
- 25 per box
- Minimum order of 5

Part Number	Watts		Price per ea.	L/5	L/25
91-2000-00	14, 15, 20	FS-2 Deluxe w/condenser		.44	.39
91-2001-00	30, 40	FS-4 Deluxe w/condenser		.44	.39
91-2002-00	4, 6, 8	FS-5 Deluxe w/condenser		.61	.54
91-2003-00	18, 22, 25	FS-25 Deluxe w/condenser		.49	.44
91-0949-10	4-65	S-2 Philips Starter w/o condenser		1.45	1.30
91-0949-00	4-22	S-10 Philips Starter w/o condenser		1.45	1.30

FS-U UNIVERSAL STARTER

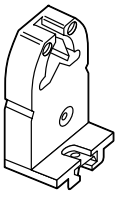
- Eliminates the need to carry 3 different starters
- Replaces the FS2, FS4, and FS5 starters
- 4-30 Watts; 120V
- UL listed
- With condenser
- 25 per box
- Minimum order of 5

Part Number		Price per ea.	L/5	L/25
91-0178-00	FS-U Universal Starter		.45	.43

FLUORESCENT SOCKET FOR MEDIUM BI-PIN LAMPS

- For T-8 and T-12 lamps
- 600 Volts, 660 Watts

91-0913-00



49-0943-01

Part Number		Price per ea.	L/24
91-0913-00	Low Profile Design without leads	3.15	2.60
49-0943-01	High Profile Design without leads	.48	.41

FLUORESCENT SOCKETS FOR STANDARD LAMPS

91-1191-00

91-1189-00

Part Number	Lamp Type	Watts	Price per ea.	L/24
91-1191-00	T5	4, 6, 8, 11, 13	1.40	1.25
91-1189-00	T8 & T12	14, 15, 16, 18, 20, 22, 25, 30, 40	1.45	1.30

MINI-LAMP FOR CASINO SIGNS

- Used in progressive signs above slot machines
- 2-wire base, T 1.5 (Tivoli style)
- 28 volts, .04 amps

Part Number		Price per ea.
91-0185-00	28V Clear Bulb With Base	.52
91-0140-00	28V Clear Bulb Only	.40
91-0185-0B	28V Blue Bulb With Base	.60
91-0185-0R	28V Red Bulb With Base	.60

MINI SPOTLIGHT REFLECTOR ASSEMBLY

- Small compact size allows spotlight to be added to almost any application
- 1-3/16" spotlight
- Utilizes wedge base, T-3-1/4 bulb
- .110 lamp terminals
- Metal mounting bracket

Part Number		Price per ea.	L/25
91-1225-00	Mini Spotlight Reflector Assembly, 6v 555 bulb	2.00	1.95
91-1225-10	Mini Spotlight Reflector Assembly, 12v 161 bulb	2.00	1.95

REPLACEMENT BULB FOR SPORTS ARENA

- For use on American Sammy Sports Arena Game
- Keep your games earning potential to it's maximum by replacing those burnt out bulbs
- Each machine contains 64 bulbs (8 Red, 56 Clear)
- Available in both Clear and Red bulbs
- 24 Volts, 5 Watts

Part Number		Price per ea.	L/25
91-0051-00	Sports Arena Replacement Bulb, Clear	2.05	1.95
91-0050-00	Sports Arena Replacement Bulb, Red	2.05	1.95
91-0214-00	Super Sports Arena Replacement Bulb, Clear	1.05	1.05
91-0213-00	Super Sports Arena Replacement Bulb, Red	1.25	1.25

MR16 BAB PROJECTION LAMP

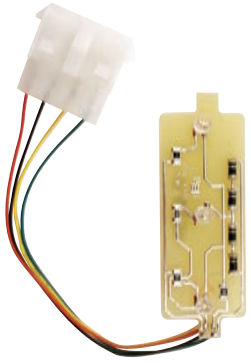
NEW

- 12V, 20W, 36 degree beam spread
- Packed 20 per case

Part Number		Price per ea.
91-0674-00	MR16 BAB Projection Lamp	2.09

LED LIGHT BOARD FOR VALIDATOR BEZEL

- For Bally 5500 series upright slot machines
- Stop replacing burnt out incandescent lights!
- LEDs last an average of 100,000 hours, saving you time and money
- LEDs are the longest lasting, most maintenance-free lighting source available
- Guaranteed for 3 years!
- Kit includes LED board and harness; bezel not included



70-1206-00

Part Number		Price per ea.	L/100
70-1206-00	For Slant Top Slot Machine	48.10	41.85

T 1-3/4 WEDGE BASE LED

- High quality wedge base LED
- Best LED for color consistency, rated 100,000 hours
- Works well with bill validators and illuminated push buttons
- Color: White
- RoHS compliant

Part Number		Price per ea.
161-305059	6V T 1-3/4 Wedge Base LED, White	4.20
161-312059	12V T 1-3/4 Wedge Base LED, White	4.20

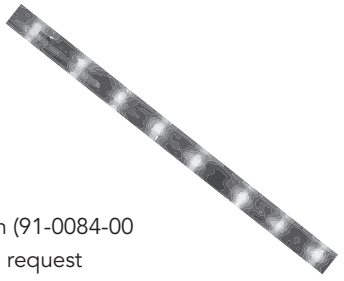
TIVOLI BASE LED LAMPS

- Used in Mikohn signs
- 28 VDC

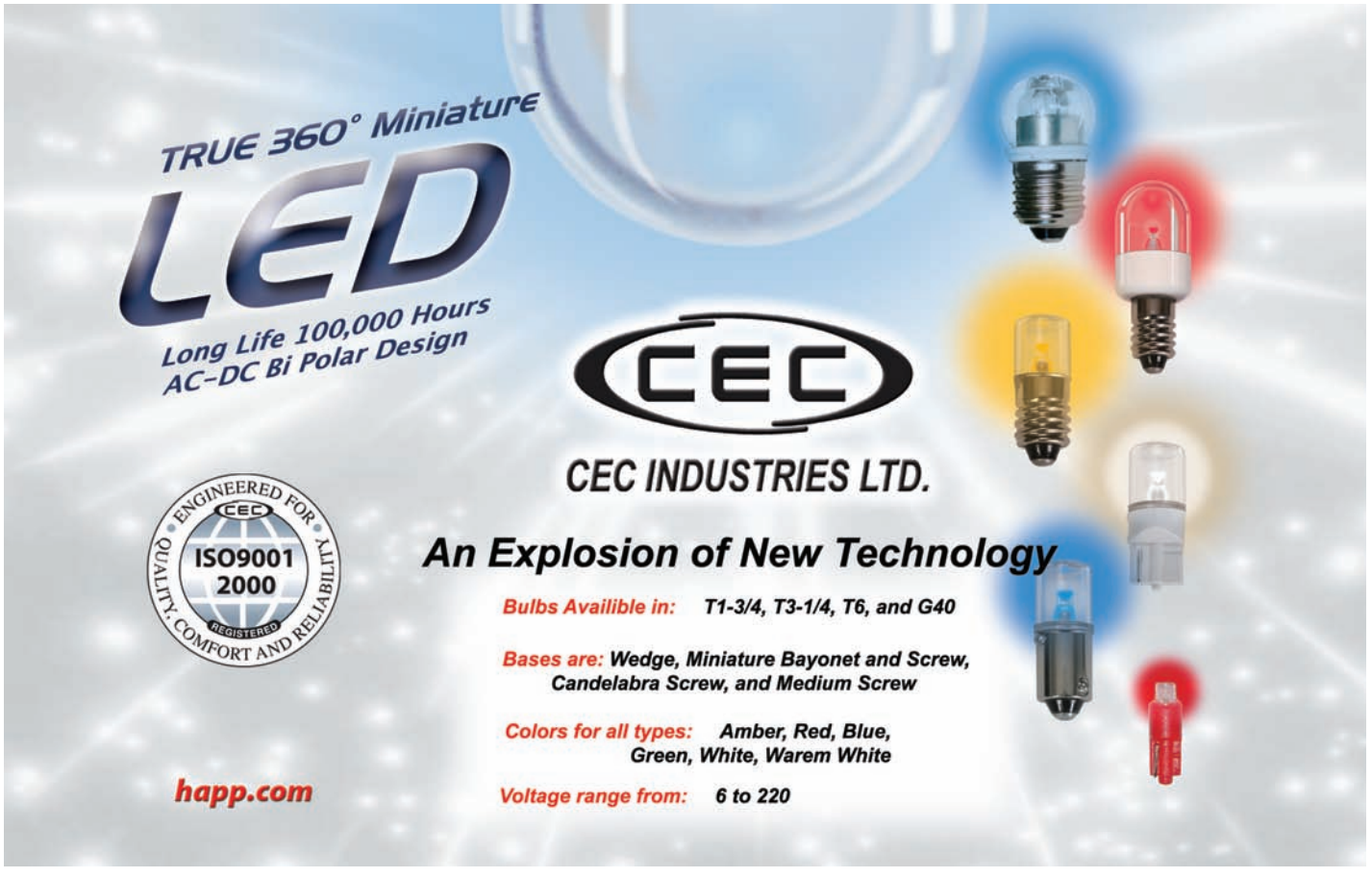
Part Number		Price per ea.
70-1445-00	Tivoli Base White LED, White	3.29
70-1445-10	Tivoli Base White LED, Red	3.89
70-1445-20	Tivoli Base White LED, Blue	3.89
70-1445-30	Tivoli Base White LED, Green	3.89
70-1445-40	Tivoli Base White LED, Yellow	3.89

ROPE LIGHTING

- UL approved
- Use indoor or outdoor
- Sold with Red or Clear tubing
- 1/2" diameter, 110V & 220V
- Sold per foot, minimum 10 feet
- Can be cut with scissors
- 20,000 hours
- Controller required for operation (91-0084-00
- Additional colors available upon request



Part Number		Price per ea.
91-0083-00	Rope Lighting – Red Tubing	4.35
91-0110-00	Rope Lighting – Clear Tubing	4.35
91-0084-00	Small Controller for Rope Lighting	50.45
91-0113-00	2 foot Y Connector for Rope Light	12.95
91-0114-00	Half Splice Connector, Male for Rope Lighting from Light to Controller	6.60


TRUE 360° Miniature
LED
Long Life 100,000 Hours
AC-DC Bi Polar Design
CEC
CEC INDUSTRIES LTD.
ENGINEERED FOR QUALITY, COMFORT AND RELIABILITY
CEC
ISO9001
2000
REGISTERED
An Explosion of New Technology
Bulbs Availible in: T1-3/4, T3-1/4, T6, and G40
Bases are: Wedge, Miniature Bayonet and Screw, Candelabra Screw, and Medium Screw
Colors for all types: Amber, Red, Blue, Green, White, Warem White
Voltage range from: 6 to 220
happ.com

T 1-3/4 AND T 3-1/4 WEDGE BASE LED

- Save time and money by replacing your lamps with LEDs
- LEDs are maintenance free, lasting an average of 100,000 hours
- LEDs can reduce power consumption up to 80%
- Great for use on illuminated pushbuttons including poker / VLT pushbuttons
- Replace standard T 1-3/4 and T 3-1/4 wedge base lamps
- T 1-3/4 will also fit T 1-1/2 bases
- Designed to be drop-in replacements
- Direct replacements for 73, 86, 161, 194, 555 bulbs
- LEDs are equipped with a resistor

SINGLE LED

CLUSTER LED

Part Number	Color	Base	LED Type	Volts	Lamp	Price per ea.	L/100
91-5WB-61W2	White	T 1-3/4	Single (1)	6 vdc	#86	1.30	1.20
91-5WB-61Y2	Yellow	T 1-3/4	Single (1)	6 vdc	#86	1.30	1.20
91-5WB-61R2	Red	T 1-3/4	Single (1)	6 vdc	#86	1.30	1.20
91-5WB-61G2	Green	T 1-3/4	Single (1)	6 vdc	#86	1.30	1.20
91-5WB-61B2	Blue	T 1-3/4	Single (1)	6 vdc	#86	1.30	1.20
91-5WB-121W2	White	T 1-3/4	Single (1)	12 vdc	#73	1.30	1.20
91-5WB-121Y2	Yellow	T 1-3/4	Single (1)	12 vdc	#73	1.30	1.20
91-5WB-121R2	Red	T 1-3/4	Single (1)	12 vdc	#73	1.30	1.20
91-5WB-121G2	Green	T 1-3/4	Single (1)	12 vdc	#73	1.30	1.20
91-5WB-121B2	Blue	T 1-3/4	Single (1)	12 vdc	#73	1.30	1.20
91-10WB-53W	White	T 3-1/4	Cluster (3)	6 vdc	#259, #555	5.10	4.50
91-10WB-53Y	Yellow	T 3-1/4	Cluster (3)	6 vdc	#259, #555	5.10	4.50
91-10WB-53R	Red	T 3-1/4	Cluster (3)	6 vdc	#259, #555	5.10	4.50
91-10WB-53B	Blue	T 3-1/4	Cluster (3)	6 vdc	#259, #555	5.10	4.50
91-10WB-123W	White	T 3-1/4	Cluster (3)	12 vdc	#161, #194	5.10	4.50
91-10WB-123Y	Yellow	T 3-1/4	Cluster (3)	12 vdc	#161, #194	5.10	4.50
91-10WB-123R	Red	T 3-1/4	Cluster (3)	12 vdc	#161, #194	5.10	4.50
91-10WB-123G	Green	T 3-1/4	Cluster (3)	12 vdc	#161, #194	5.10	4.50
91-10WB-123B	Blue	T 3-1/4	Cluster (3)	12 vdc	#161, #194	5.10	4.50

6 CLUSTER WHITE LED

NEW

- 6 LEDs
- E10 screw base
- Color: white
- 12v

Part Number		Price per ea.
91-1024-00	6 Cluster White LED	2.69

T 3-1/4 WEDGE BASE LED

- Replaces standard T-3-1/4 wedge base incandescent lamps with long life, low power LEDs
- Designed to be drop in replacements for all the most popular miniature lamps
- Direct replacement for 161, 194, 259 bulbs
- LEDs have resistor on board
- Used for replacement for Illuminated pushbuttons

Part Number	Color	Voltage	Lamp	Price per ea.	L/100
91-1157-00	Red	6vdc	#259	3.65	3.30
91-1158-00	Red	12vdc	#161, #194	3.50	3.20

LED INSERTION TOOL

NEW

- Handy tool helps avoid damage to LED resistor and static electricity
- Also prevents blisters when inserting many LEDs
- For T 1-3/4 base LEDs

Part Number		Price per ea.
92-1396-00	LED Insertion Tool	5.45

LED WEDGE BASE T 3-1/4 LAMP

NEW

- Ref.# WF321-OCW-014B-00
- White, 12V DC bi-polar

Part Number		Price per ea.
91-0750-00	LED Wedge Base T 3-1/4, White	10.40

SUZO-HAPP ECONOMY T 1-3/4 LEDS

NEW

- Save time and money by replacing your lamps with LEDs
- LEDs are maintenance free, lasting an average of 100,000 hours
- Great for use on illuminated pushbuttons including poker / VLT pushbuttons

- LEDs can reduce power consumption up to 80%
- T 1-3/4 will also fit T 1-1/2 bases
- Designed for drop-in replacement
- LEDs are equipped with a resistor

SUZO HAPP®

Part Number	Color	Base	LED Type	Volts	Price per ea.
161-205059	White	T 1-3/4	Single (1)	6 vdc	1.30
161-212059	White	T 1-3/4	Single (1)	12 vdc	1.30
161-212052	Red	T 1-3/4	Single (1)	12 vdc	1.30
161-212054	Yellow	T 1-3/4	Single (1)	12 vdc	1.30
161-212055	Green	T 1-3/4	Single (1)	12 vdc	1.30
161-212056	Blue	T 1-3/4	Single (1)	12 vdc	1.30
161-224059	White	T 1-3/4	Single (1)	24 vdc	1.30

COLD CATHODE RETROFIT LIGHTING KITS

NEW

- Energy efficient converting more energy to light output instead of heat, uses 75% less power
- Ideal for gaming panels and lighting signage
- Retrofit kits fit into existing fluorescent lamp sockets in gaming machines
- Provides bright white lighting at 6,500° K, significantly less heat than fluorescent lamps
- Long life lasting over 20,000 hours
- Avoid messy wire splicing with the simple to install 12 VDC Power Supply plug-in
- 12 VDC Power Supply (sold separately) includes 2.5 amp line cord with HDD connector
- Up to three double element (or six single element) lamps can be daisy-chained using extension harnesses with 12VDC power supply
- Lighting modules include a 2-year warranty against manufacturer defects

Retrofit Kits; include one CCFL module, inverter, Velcro hook and loop strips and wire harness (power supply sold separately)

Part Number		Price per ea.
95-2630-00	F15T8 Retrofit Kit with Double Element Module	29.49
95-2630-10	F15T8 Retrofit Kit with Single Element Module	22.49
95-2630-20	F14T8 Retrofit Kit with Double Element Module	29.95
95-2630-30	F14T8 Retrofit Kit with Single Element Module	20.95

Complete Retrofit Kits include lighting element(s), dual inverter(s), power harness(es), and 12VDC power supply

Part Number		Price per ea.
95-2693-00	F15T8 Complete Retrofit Kit with Double Element Module	57.95
95-2693-10	F15T8 Complete Retrofit Kit with Two Double Element Modules	91.95
95-2693-20	F15T8 Complete Retrofit Kit with Three Double Element Modules	122.95

Double or Single Element Module RetroFit Kits

80-0414-20

Accessories/Replacement Parts

Part Number		Price per ea.
80-0414-20	12VDC Desktop Power Supply	24.95
96-0640-00	Power Extension Harness	7.95
50-0467-00	F15T8 Double Element Lamp Assembly	28.95
50-0467-10	F15T8 Single Element Lamp Assembly	19.49
50-0467-20	F14T8 Double Element Lamp Assembly	29.95
50-0467-30	F14T8 Single Element Lamp Assembly	19.95

COLD CATHODE LIGHT REFLECTOR ASSEMBLY

NEW

- Energy efficient converting more energy to light output instead of heat, uses 75% less power
- Ideal for gaming panels and lighting signage
- Includes bracket, two single CCFL modules, inverter and wire harness (optional power supply sold separately)
- Used behind belly glass or top glass depending on machine
- Provides bright white lighting at 6,500° K, significantly less heat than fluorescent lamps
- Long life lasting over 20,000 hours
- Avoid messy wire splicing with the simple to install 12 VDC Power Supply plug-in
- 12 VDC Power Supply (sold separately) includes 2 .5 amp line cord with HDD connector
- Lighting modules include a 2-year warranty against manufacturer defects
- Mounts with screws in key hole slots (screws not included)

95-2631-00

80-0414-20

Part Number		Price per ea.
95-2631-00	Light Reflector Assembly, 16" W x 5.7" H	54.95
80-0414-20	12VDC Power Supply	24.95

ECONOMY MINI LAMPS

- These lamps are the highest rated economy mini lamps in the industry
- Sold in convenient boxes of 10
- Preferred by many O.E.M.'s, (Original Equipment Manufacturers)
- Min order 10

44, 47
Bayonet Base

Wedge Base 555

161

86, 73

4202

Part Number	Lamp No.	Volts	Base	Price per ea. L/10	L/100
91-0140-00	#E0209	28	2-Wire (T 1-1/2)	.40	.35
91-2019-10	#19	14.4	2 Prong (G 3-1/2)	1.45	1.30
91-0029-00	#E17	28	Wedge (T 1-1/2)	.85	.75
91-1119-10	#44	6.3	Bayonet (T 3-1/4)	.22	.20
91-1120-10	#47	6.3	Bayonet (T 3-1/4)	.22	.20
91-1121-00	#51	7.5	Bayonet (G 3-1/2)	.45	.39
91-0135-00	#55	7	Bayonet (G 4-1/2)	.34	.32
91-0138-00	#57	14	Bayonet (G 4-1/2)	.28	.26
91-2063-10	#63	7	Bayonet (G 6)	.33	.30
91-1123-10	#68	13.5	Bayonet (G 6)	.53	.50
91-1221-10	#73	14	Wedge (T 1-3/4)	.26	.23
91-0073-10E	#E73	14	Wedge (T 1-1/2)	.29	.26
91-0137-00	#74	14	Wedge (T 1-3/4)	.34	.32
91-1317-10	#85	28	Wedge (T 1-3/4)	.50	.48
91-1124-20	#86	6.3	Wedge (T 1-3/4)	.41	.38
91-1124-10	#E86	6.3	Wedge (T 1-1/2)	.31	.26
91-1129-10	#93	12	Bayonet (S 8)	.65	.52
91-0152-10	#152	28	Wedge (T 3-1/4)	.31	.29
91-0030-00	#158	14	Wedge (T 3-1/4)	.52	.46
91-1118-01	#159	6.3	Wedge (T 3-1/4)	.41	.35
91-1219-10	#161	14	Wedge (T 3-1/4)	.23	.22
91-1222-10	#193	14	Wedge (T 3-1/4)	.41	.37
91-1320-10	#194	14	Wedge (T 1-1/4)	.41	.33
91-0195-00	#256	14	Mini Bayonet Flasher (T 3-1/4)	.49	.44
91-0257-10	#257	14	Bayonet (Flasher) (G 4-1/2)	.48	.44
91-1118-10	#259	6.3	Wedge (T 3-1/4)	.35	.32
91-0759-00	#359	1.35	Mini-Screw (G 3-1/2)	.56	.50
91-0013-00	#367	10	S.C. Midget (T 1-3/4)	.71	.67
91-0659-10	#400	28V	Wedge (T 3-1/4)	.44	.39
91-1128-10	#447	6.3	Wedge (T 3-1/4)	.42	.35
91-2455-10	#455	6.5	Bayonet (Flasher) (G 4-1/2)	.39	.32
91-0033-00	#464	28	Wedge (T 3-1/4)	.49	.46
91-1321-10	#505	24	Wedge (T 3-1/4	.46	.39
91-1319-10	#555	6.3	Wedge (T 3-1/4) Clear	.25	.23
91-0555-0R	#555	6.3	Wedge (T 3-14) Red	.41	.39
91-0555-0B	#555	6.3	Wedge (T 3-14) Blue	.41	.39
91-0555-0A	#555	6.3	Wedge (T 3-14) Amber	.41	.39
91-0555-0G	#555	6.3	Wedge (T 3-14) Green	.41	.39

Part Number	Lamp No.	Volts	Base	Price per ea. L/10	L/100
91-0585-10	#585	28	Wedge (T 3-1/4)	.52	.48
91-2656-10	#656	28	Wedge (T 3-1/4)	.32	.28
91-1126-10	#657	28	Wedge (T 3-1/4)	.42	.37
91-1220-10	#658	14	Wedge (T 3-1/4)	.40	.32
91-0680-10	#680	5	2 Wire Terminal (T 1)	.41	.33
91-0193-00	#685	5	Midget Flange (T 1)	.55	.49
91-0034-00	#715	5	2-Wire (T 1)	.54	.46
91-2755-10	#755	6.3	Bayonet (T 3-1/4)	.46	.41
91-0136-00	#756	14.4	Bayonet (T 3-1/4)	.34	.32
91-2757-10	#757	28	Bayonet (T 3-1/4)	.52	.46
91-2904-10	#904	13.5	Wedge (T 5)	.41	.37
91-1135-10	#906	13	Wedge (T 5)	.55	.46
91-0912-10	#912	12.8	Wedge (T5)	.35	.32
91-0180-00	#921	12	Wedge	.68	.61
91-1073-10	#1073	12.8V	S.C. Bayonet (S 8)	1.75	1.75
91-0150-00	#1112	12	Wedge (T 3-1/4)	.23	.22
49-0069-00	#1156	12.8	S.C. Bayonet (S 8)	1.75	1.55
91-1251-10	#1251	28	S.C. Bayonet (G 6)	.65	.57
91-1683-10	#1683	28	S.C. Bayonet (S 8)	.91	.74
91-1813-10	#1813	14.4	Bayonet (T 3-1/4)	.33	.27
91-1815-10	#1815	14	Mini Bayonet (T 3-1/4)	.46	.41
91-1816-10	#1816	13	Mini Bayonet (T 3-1/4)	.33	.31
91-1819-10	#1819	28	Mini Bayonet (T 3-1/4)	.37	.33
91-1820-10	#1820	28	Bayonet (T 3-1/4)	.46	.41
91-1821-10	#1821	28	Mini Screw (T 3-1/4)	.37	.33
91-1829-10	#1829	28	Bayonet (T 3-1/4)	.48	.44
91-1847-10	#1847	6.3	Bayonet (T 3-1/4)	.33	.29
91-1873-10	#1873	28	Bayonet (T 3-1/4)	.46	.41
91-0052-00	#1888	7	Bayonet (T 3-1/4)	.41	.33
91-1891-10	#1891	14	Bayonet (T 3-1/4)	.46	.41
91-1892-10	#1892	14.4	Bayonet (T 3-1/4)	.33	.28
91-1893-10	#1893	14	Bayonet (T 3-1/4)	.41	.33
91-1895-10	#1895	14	Bayonet (G 4-1/2)	.27	.25
91-0196-00	#2176	24	2-Wire (T 1-3/4)	.29	.24
91-2182-10	#2182D	14	2 Wire Base (T 1-3/4)	.44	.34
91-0035-00	#2187	28	2-Wire (T 1-3/4)	.43	.39
91-0069-00	#4202	24	Neo/Base	1.35	1.30
91-0586-00	#10969	12	Wedge (T 3-1/4)	.42	.38

BULK MINI LAMPS

- These lamps are the highest rated economy mini lamps in the industry
- Packaged in bulk bags or boxes
- Preferred by many O.E.M.'s (Original Equipment Manufacturers)
- **Bulk packaging may not be broken**

161

555

73

Part Number	Lamp Number	Volts	Base	Pkg.	Price per ea.
91-2044-00	#44	6.3	Bayonet (T 3-1/4)	100/box	.19
91-1120-00	#47	6.3	Bayonet (T 3-1/4)	100/box	.19
91-1123-00	#68	13.5	Bayonet (G 6)	100/box	.26
91-1221-00	#73	14	Wedge (T 1-3/4)	100/box	.24
91-1317-00	#85	28	Wedge (T 1-3/4)	100/box	.44
91-1124-00	#86	6.3	Wedge (T 1-3/4)	100/box	.27
91-1129-00	#93	12	Bayonet (S 8)	100/box	.43
91-1219-00	#161	14	Wedge (T 3-1/4)	500/bag	.22

Part Number	Lamp Number	Volts	Base	Pkg	Price per ea.
91-1222-00	#193	14	Wedge (T 3-1/4)	500/bag	.26
91-1320-00	#194	14	Wedge (T 1-1/4)	500/bag	.29
91-1118-00	#259	6.3	Wedge (T 3-1/4)	500/bag	.29
91-1319-00	#555	6.3	Wedge (T 3-1/4)	500/bag	.22
91-1318-00	#656	28	Wedge (T 3-1/4)	500/bag	.57
91-1126-00	#657	28	Wedge (T 3-1/4)	100/bag	.42
91-1220-00	#658	14	Wedge (T 3-1/4)	500/bag	.28
91-1135-00	#906	13	Wedge (T 5)	100/bag	.55

DELUXE MINI LAMPS

44, 47

Bayonet Base

161

86

555

Wedge Base

73

- Brand name GE or Sylvania mini lamps
- These high quality lamps out perform all import type mini lamps
- Sold in convenient boxes of 10

Part Number	Lamp Number	Volts	Base	Price per ea. L/10	L/100
91-0037-00	#37	14	Wedge (T 1-3/4)	.39	.33
91-0044-00	#44	6.3	Bayonet (T 3-1/4)	.33	.30
91-0047-00	#47	6.3	Bayonet (T 3-1/4)	.35	.32
91-0053-00	#53	14.4	S.C. Bayonet (G 3-1/2)	.56	.50
91-1122-00	#55	7	Bayonet (G 4-1/2)	1.15	1.10
91-0057-00	#57	14	Bayonet (G 4-1/2)	.57	.52
91-0067-00	#67	13.5	S.C. Bayonet (G 6)	.76	.71
91-0073-00	#73	14	Wedge (T 1-3/4)	.41	.39
91-0074-00	#74	14	Wedge (T 1-3/4)	.63	.56
91-0086-00	#86	6.3	Wedge (T 1-3/4)	.52	.48
91-0089-00	#89	13	S.C. Bayonet (G 6)	.54	.50
91-0090-00	#90	12	Bayonet (G 6)	.81	.74
91-0161-00	#161	14	Wedge (T 3-1/4)	.44	.42
91-0194-00	#194	14	Wedge (T 1-1/4)	.33	.30
91-1125-00	#222	2.25	Screw (TL 3)	.93	.85
91-0313-10	#313	28V	Bayonet (T 3-1/4)	.29	.25

Part Number	Lamp Number	Volts	Base	Price per ea. L/10	L/100
91-2455-10	#455	6.5V	Bayonet (Flasher) (G 4-1/2)	.39	.32
91-0555-00	#555	6.3	Wedge (T 3-1/4)	.35	.32
91-0658-00	#658	14	Wedge (T 3-1/4)	.85	.85
91-0755-00	#755	6.3	Bayonet (T 3-1/4)	.87	.74
91-0756-00	#756	14.4	Bayonet (T 3-1/4)	1.60	1.35
91-0906-00	#906	13	Wedge (T 5)	.46	.44
91-0912-00	#912	12.8	Wedge (T 5)	1.05	.97
91-1813-00	#1813	14.4	S.C. Bayonet (T 3-1/4)	1.35	1.30
91-1819-00	#1819	28V	Bayonet (T 3-1/4)	.69	.67
91-1847-00	#1847	6.3	Bayonet (T 3-1/4)	.75	.70
91-1891-00	#1891	14.0V	Bayonet (T 3-1/4)	.67	.60
91-1892-00	#1892	14.4	Bayonet (T 3-1/4)	.56	.46
91-1895-00	#1895	14	Bayonet (G 4-1/2)	1.30	1.00

WEDGE BASE SOCKETS FOR MINI LAMPS

- Push Twist Type

49-0941-00

49-0942-00

91-0722-00

91-0950-00

Part Number		Price per ea.
49-0941-00	T 1-1/2 Wedge Socket	1.20
49-0942-00	T 1-3/4 Wedge Socket (For E86 only)	1.15
91-0722-00	T 1-3/4 Wedge Socket (For all Except E86)	.50
91-0950-00	T 3-1/4 Wedge Socket	.42

LAMP EXTRACTOR TOOL

- Used to remove or insert minature lamps with bayonet –type bases
- Firmly and gently grasp lamps from panels and switchboards
- Includes return spring for fast lamp insertion and removal
- Tool size: 4”
- Grasp limited to 5/16” to prevent shorts

Part Number		Price per ea.
92-1763-00	Lamp Extractor Tool	16.39

SOCKET FOR MINI LAMPS

- Sockets for #44, 47, 51 & 1893 Mini Lamps
- Minimum order 10 pcs.

91-0043-00

91-1119-99

Part Number		Price per ea. L/10	
91-0043-00	Socket w/90° Right Angle Bracket	1.05	.95
91-1119-99	Socket for Mini Bayonet	.97	.90

INCANDESCENT LAMPS

A

B

C

- Various types of incandescent lamps, from typical lamps used everyday in your home, to the more rugged and durable appliance and rough service lamps
- American made unless otherwise noted

Part Number		Lamp Type	Watts	Volts	Color	Price per ea.	Price per ea. L/1 Case
A	91-0917-00	Pearl White Globe	25	120	White	2.10 ea.	1.95 - L/20
B	91-0901-00	15A	15	120	Frost	.98 - L/2	.75 - L/24
A	91-1173-00	25A19	25	120	Frost	.98 - L/4	.75 - L/120
B	91-1167-00	25A Rough Service	25	120	Frost	2.30 - L/6	2.20 - L/120
B	91-0919-00	40A	40	120	Frost	.98 - L/4	.96 - L/48
B	91-1165-00	40A15 Appliance	40	120	Frost	1.05 - L/6	1.05 - L/120
B	91-3060-00	60A	60	120	Frost	1.20 - L/2	.74 - L/24
B	91-1166-00	60A/Rough Service	60	120	Frost	2.05 - L/6	1.95 - L/120
B	91-5001-00	75A	75	120	Frost	1.45 - L/6	1.05 - L/24
C	91-1161-10	Color Display Lamp*[1]	11	130	Red	1.60 ea.	1.20 - L/12
C	91-1161-12	Color Display Lamp*[1]	11	130	Blue	1.60 ea.	1.20 - L/12
C	91-1161-13	Color Display Lamp*[1]	11	130	Green	1.60 ea.	1.20 - L/12
C	91-1161-15	Color Display Lamp*[1]	11	130	Yellow	1.60 ea.	1.20 - L/12
C	91-1161-17	Color Display Lamp*[1]	11	130	Orange	1.60 ea.	1.20 - L/12
C	91-1161-18	Color Display Lamp*[1]	11	130	Clear	1.60 ea.	1.20 - L/12

*Not made in the U.S.A.
[1] Replacement for AMI/Rowe Jukeboxes

SPECIALTY SERVICE LAMPS

A

B

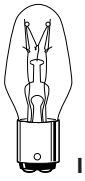
C

D

E

F

G


I

J

- Various sizes and styles for different applications
- American made * unless otherwise noted

Ref	Part Number	Lamp Type	Watts	Volts	Color	Price per ea.	Price per ea. L/1 Case
A	91-0108-00	6S6, Candelabra	6	32	Clear	.52 - L/10	.46 - L/50
A	91-1193-00	6S6, Candelabra	6	120	Clear	.49 - L/10	.44 - L/50
B	91-1174-00	6S6DC	6	120	Clear	1.80 - L/10	1.60 - L/120
D	91-27C7-00	7C7, *Economy	7	120	Clear	.74 - L/10	.63 - L/100
D	91-07C7-00	7C7, Deluxe	7	120	Clear	1.05 - L/12	.91 - L/120
I	91-10C7-00	10C7, DC	10	120	Clear	2.00 - L/10	1.70 - L/100
E	91-2510-00	25T10	25	120	Frost	2.10 ea.	1.90 - L/10
E	91-0735--00	20T6-1/2 IF	20	120	Frost	1.65 ea.	1.35 - L/10
E	91-4010-00	40T10	40	120	Frost	2.20 ea.	2.00 - L/10
F	91-1182-00	65BR30 Flood	65	120	Frost	4.65 ea.	4.10 - L/24
F	91-1182-10	65BR30 Flood	65	120	Red	4.60 ea.	4.20 - L/24
F	91-0078-00	PAR 38 FLood	120	120	Frost	9.20 ea.	8.60 - L/30
C	91-1186-00	Crane Bulb, Candelabra	10	48 - 60	Clear	1.70 ea.	1.45 - L/50
C	91-1187-00	Crane Bulb, Candelabra	10	130	Clear	.98 ea.	.85 - L/50
B	91-0903-00	25T8DC	25	120	Clear	2.10 - L/10	1.70 - L/60
G	91-0051-00	Mini Globe	5	24	Clear	2.05 ea.	1.95 - L/25
G	91-0050-00	Mini Globe	5	24	Red	2.05 ea.	1.95 - L/25
G	91-0177-00	Mini Globe	7	120	Clear	.45 ea.	.42 - L/25
G	91-0060-00	Mini Globe	10	120	Clear	2.20 ea.	2.10 L/25
G	91-0061-00	Mini Globe	10	120	Red	2.30 ea.	2.20 - L/25
J	91-0927-00	40SIIN	40	120	Clear	6.05 ea.	5.65 - L/24

* Not made in USA

AGC FUSES – FAST BLOW TYPE

- 1/4" diameter x 1-1/4" length
- Various amperages
- Fast acting to protect equipment
- Made in the U.S.A.
- Packaged in boxes of 5
- Minimum order 10

COOPER Bussmann

1/4" Dia. x 1-1/4" L

Part Number	Amps	Volts	Price per fuse L/10	L/50	L/100
49-1232-00	1/10	250	.75	.70	.65
49-0785-00	1/8	250	.75	.70	.65
49-0273-00	3/16	250	.75	.70	.65
49-0349-00	1/4	250	.65	.57	.52
49-0808-00	3/8	250	.63	.56	.52
49-0621-00	1/2	250	.39	.34	.32
49-0622-00	6/10	250	.52	.46	.41
49-0547-00	3/4	250	.39	.34	.32
49-0623-00	8/10	250	.39	.34	.32
49-0118-00	1	250	.39	.34	.32
49-0624-00	1-1/4	250	.39	.34	.32
49-0625-00	1-1/2	250	.39	.34	.32
49-0119-00	2	250	.39	.34	.32
49-0627-00	2-1/2	250	.39	.34	.32
49-0024-00	3	250	.39	.34	.32
49-0932-00	3-1/2	250	.39	.34	.32
49-0615-00	4	250	.39	.34	.32
49-0120-00	5	250	.39	.34	.32
49-0296-00	6	250	.39	.34	.32
49-0613-00	7	250	.39	.34	.32
49-0566-00	8	250	.39	.34	.32
49-0560-00	10	250	.39	.34	.32
49-0277-00	15	32	.39	.34	.32
49-0278-00	20	32	.39	.34	.32
49-0279-00	25	32	.39	.34	.32

GMA FUSES – FAST BLOW TYPE

- 5 x 20 mm
- Various amperages
- Commonly used within pinball machines
- Fast acting to protect electronic equipment
- Made in the U.S.A.
- Packaged in boxes of 5
- Minimum order 10

COOPER Bussmann

Part Number	Amps	Volts	Price per fuse L/10	L/50	L/100
49-0593-00	300mA	250	1.45	1.30	1.05
49-0498-00	1	250	1.45	1.30	1.05
49-1271-00	1.25	250	1.45	1.30	1.05
49-0669-00	1.5	250	1.45	1.30	1.05
49-1335-00	1.5*	250	1.45	1.30	1.05
49-0497-00	2	250	1.45	1.30	1.05
49-1333-00	2*	250	1.45	1.30	1.05
49-0670-00	2.5	250	1.45	1.30	1.05
49-0496-00	3	250	1.40	1.30	1.05
49-1334-00	3*	250	1.45	1.30	1.05
49-0626-00	3.15	125	1.45	1.30	1.05
49-0589-00	4	125	1.45	1.30	1.05
49-0495-00	5	125	1.40	1.30	.94
49-0652-00	6	125	1.45	1.30	1.05
49-0786-00	7	125	1.45	1.30	1.05
49-0590-00	8	125	1.45	1.30	1.05
49-0290-00	10	125	1.45	1.30	1.05
49-0788-00	15	125	1.45	1.30	1.05

*With Leads

MDL FUSES – SLOW BLOW TYPE

- 1/4"diameter x 1-1/4" length
- Various amperages
- Dual-element, slow blowing type to prevent needless fuse blows
- Made in the U.S.A.
- Packaged in boxes of 5
- Minimum order 10

COOPER Bussmann

1/4" Dia. x 1-1/4" L

Part Number	Amps	Volts	Price per fuse L/10	L/50	L/100
49-0610-00	1/10	250	.75	.70	.65
49-0608-00	1/8	250	.75	.70	.65
49-0607-00	2/10	250	.94	.83	.74
49-0551-00	1/4	250	.47	.43	.41
49-0606-00	3/10	250	.90	.85	.79
49-0494-00	3/8	250	.47	.43	.41
49-0605-00	4/10	250	.47	.43	.41
49-0553-00	1/2	250	.47	.43	.41
49-0604-00	6/10	250	.47	.43	.41
49-0603-00	7/10	250	.47	.43	.41
49-0552-00	3/4	250	.47	.43	.41
49-0602-00	8/10	250	.47	.43	.41
49-0111-00	1	250	.47	.43	.41
49-0599-00	1-1/4	250	.47	.43	.41
49-0564-00	1-1/2	250	.47	.43	.41
49-0598-00	1-6/10	250	.47	.43	.41
49-0112-00	2	250	.47	.43	.41
49-0113-00	2-1/2	250	.47	.43	.41
49-0597-00	2-8/10	250	.47	.43	.41
49-0030-00	3	250	.47	.43	.41
49-0579-00	3-2/10	250	.47	.43	.41
49-0933-00	3-1/2	250	.47	.43	.41
49-0114-00	4	250	.47	.43	.41
49-0025-00	5	250	.47	.43	.41
49-0286-00	6	250	.47	.43	.41
49-0580-00	6-1/4	250	.47	.43	.41
49-0115-00	7	250	.47	.43	.41
49-0596-00	7-1/2	250	.47	.43	.41
49-0116-00	8	250	.47	.43	.41
49-0117-00	10	32	.47	.43	.41
49-0595-00	12	32	.47	.43	.41
49-0592-00	15	32	.47	.43	.41
49-0591-00	20	32	.47	.43	.41
49-0594-00	25	32	.47	.43	.41

GMQ FUSES – SLOW BLOW TYPE

- Various amperages
- Size rejecting, only allows fuse to be used within proper fuseholder
- Made in the U.S.A.
- Packaged in boxes of 5
- Minimum order 10

COOPER Bussmann

Part Number	Amps	Volts	Price per 5	Price per 10
49-0640-00	1	300	6.15	5.45
49-0641-00	3-2/10	300	5.15	4.65
49-0642-00	6-1/4	300	5.65	5.25

GMC, GMD FUSES

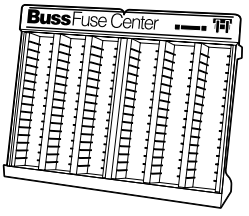
- 5 x 20 mm
- GMC- Medium Blow Type
- GMD- Slow Blow Type
- Various amperages
- Commonly used within pinball machines
- Dual-element, slow blowing type to prevent needless fuse blows
- Made in the U.S.A.
- Packaged in boxes of 5
- Minimum order 10

COOPER Bussmann

Part Number	Type	Amps	Volts	Price per fuse L/10	L/50	L/100
49-0838-00	GMC	63mA	250	.46	.44	.42
49-0839-00	GMC	250mA	250	.46	.44	.42
49-0837-00	GMC	2.5	250	.46	.44	.42
80-0016-01	GMC	3	250	1.35	1.30	1.25
49-0284-00	GMC	3.15	250	1.05	.98	.93
49-0836-00	GMC	4	125	.46	.44	.42
49-0835-00	GMC	5	125	.46	.44	.42
49-0619-00	GMC	6.3	125	.46	.44	.42
49-0620-00	GMC	10	125	.46	.44	.42
49-5062-00	GMD	1.6	250	1.70	1.50	1.35
49-0616-00	GMD	2	250	1.45	1.30	1.15
49-0617-00	GMD	2.5	250	1.45	1.30	1.15
49-0618-00	GMD	4	250	1.45	1.30	1.15

FUSE RACK

- Free standing durable yellow plastic display
- Holds 102 packages of 5 fuses (510 Fuses total)
- Fuses sold separately



COOPER Bussmann

Part Number		Price per ea.
49-0582-00	Fuse Rack, Empty	27.80

FUSE PULLER

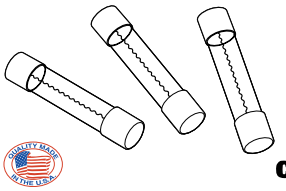
- Makes it easier to install & remove fuses in those hard to reach. areas
- For use on all 1/4" diameter glass fuses
- Eliminates risk of breaking fuses or damaging fuse blocks

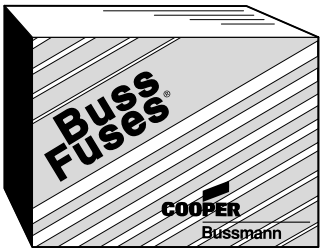
COOPER Bussmann

Part Number		Price per ea.
49-0628-00	Fuse Puller Tool	2.70

BULK FUSES

- Made in U.S.A.
- Packaged in boxes of 100





COOPER Bussmann

MDL Bulk Fuses - Slow Blow Type (1/4" diameter x 1-1/4" length)

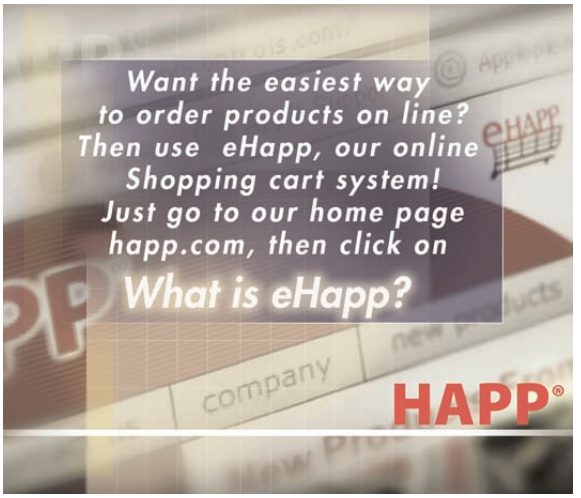
Part Number	Amps	Volts	Price per Box of 100
49-0111-00B	1	250	36.10
49-0112-00B	2	250	36.10
49-0113-00B	2-1/2	250	36.10
49-0030-00B	3	250	36.10
49-0114-00B	4	250	36.10
49-0025-00B	5	250	36.10
49-0286-00B	6	250	36.10
49-0115-00B	7	250	36.10
49-0116-00B	8	250	36.10
49-0117-00B	10	32	53.25

AGC Bulk Fuses - Fast Blow Type (1/4" diameter x 1-1/4" length)

Part Number	Amps	Volts	Price per Box of 100
49-0118-00B	1	250	13.80
49-0119-00B	2	250	13.80
49-0024-00B	3	250	13.80
49-1236-00B	4	250	21.95
49-0120-00B	5	250	21.95
49-0296-00B	6	250	21.95
49-0566-00B	8	250	21.95
49-0560-00B	10	250	21.95
49-0278-00B	20	32	21.95
49-0785-00B	1/8	250	21.60

GMA Bulk Fuses - Fast Blow Type (5 x 20mm)

Part Number	Amps	Volts	Price per Box of 100
49-0498-00B	1	250	23.35
49-0497-00B	2	250	23.35
49-0670-00B	2.5	250	23.35
49-0591-00B	4	125	23.35
49-0495-00B	5	125	23.35
49-0290-00B	10	125	23.35



FUSE ASSORTMENT KITS

- Assortment of 75 of the most common Fast-Blow and Slow-Blow fuses
- Kit includes handy clear plastic box
- Each 5 pack of fuses has their own section with index
- A must for every service repairman
- See chart for listing of amperages

Part Number		Price per kit	L/6	L/12
49-0568-00	**General Purpose Fuse Kit**	31.15	29.85	26.80

Contains the following fuses:

Replacement Part Number	Quantity	Amps	Type	Volts
49-0621-00	5	1/2	Fast-Acting	250
49-0118-00	5	1	Fast-Acting	250
49-0625-00	5	1-1/2	Fast-Acting	250
49-0119-00	10	2	Fast-Acting	250
49-0024-00	10	3	Fast-Acting	250
49-0120-00	5	5	Fast-Acting	250
49-0553-00	5	1/2	Slow-Blow	250
49-0111-00	5	1	Slow-Blow	250
49-0112-00	10	2	Slow-Blow	250
49-0030-00	10	3	Slow-Blow	250
49-0025-00	5	5	Slow-Blow	250

Part Number		Price per kit	L/6	L/12
49-0569-00	**Pinball Fuse Kit**	30.50	29.20	27.40

Contains the following fuses:

Replacement Part Number	Quantity	Amps	Type	Volts
49-0566-00	5	8	Fast-Acting	250
49-0547-00	5	3/4	Fast-Acting	250
49-0494-00	5	3/8	Slow-Blow	250
49-0113-00	5	2-1/2	Slow-Blow	250
49-0030-00	25	3	Slow-Blow	250
49-0025-00	15	5	Slow-Blow	250
49-0115-00	5	7	Slow-Blow	250
49-0116-00	5	8	Slow-Blow	250

SPECIALTY FUSES

- Packed in boxes of 5
- Sold per fuse

Part Number	Type	Amps	Volts	Price per ea.
49-1234-00	AGX	¼	250	1.25
49-1256-00	AGX	1	250	1.25
49-1257-00	MCR	½	250	.99
49-1238-00	GJV	½ w/leads	250	1.25
49-1239-00	GJV	3 w/leads	250	1.70
49-1237-00	GJV	5 w/leads	250	1.80

PANEL MOUNT FUSEHOLDER

- Designed to virtually eliminate the possibility of electrical shock
- Maximum panel thickness of 5/16"
- For 1/4" x 1-1/4" fuses
- .187" Quick Connect Terminals

Part Number	Amps	Volts	Price per ea.	L/10
49-0023-00	20	300	2.80	2.70

PC MOUNT FUSEHOLDER

- For use with printed circuit boards
- Use with 1/4" diameter fuses with end stops

Part Number		Price per ea.
49-1272-00	PC Mount Fuseholder	.60

FUSE BLOCKS

- For 1/4" x 1 1/4" fuses
- Features individual barriers to reinforce the fuse clips while providing greater protection against clip damage and electrical shock
- Minimum order 10

Part Number	Type	Terminal Type	Price per ea.	L/20
49-0563-00	Single	Solder	1.30	1.20
49-0395-00	Triple	3/16" Q.C.	3.90	3.70

EAGLE SUPER SPEC 90° ANGLE PLUG

- Allows equipment to be moved closer to wall
- 12A-125V, 2-Pole, 3-Wire Grounding
- 8 rotating positions to allow placement of cord in most convenient location
- UL & CSA listed
- Black color
- Made in the U.S.A.

Part Number		Price per ea.	L/6
91-4000-00	Eagle Super Spec 90° Angle Plug	9.65	9.05

EAGLE THERMOPLASTIC PLUG & CONNECTOR

- Solid brass plug blades are firmly embedded into body
- Terminal screws are large head type for easy wiring, separated by barriers to prevent flashover or short circuits
- Strain relief clamps are superior designs, providing a secure mechanical grip
- Yellow thermoplastic is rigid and virtually unbreakable and can be used for hard service applications
- Dead-Front Construction
- 2-Pole, 3-Wire Grounding with cord clamp
- Cord diameter .250" - .655"
- UL & CSA listed, NEMA 5-15(15A), 5-20(20A)
- 125 Volts
- Made in the U.S.A.

Plug Male

Connector Female

15 AMP TYPE:

Part Number		Dia.	Length	Eagle P/N	Price per ea.	L/10	L/20
27-1003-00	Plug Male	1-17/32"	1-3/4"	4867	5.50	4.85	4.35
27-1004-00	Connector Female	1- 7/32"	2-19/32"	4887	8.70	8.25	7.50

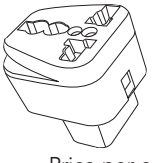
EAGLE EASY INSTALL PLUG

- 10A, 125V
- Cord size: 18-2 SPT-1
- Color: brown

Part Number		Price per ea.
91-1168-10	Easy Install Plug	1.60

TRIPLE GROUND PLUG

- Converts single receptacle to 3 outlets
- 15A, 125VAC, NEMA 5-15
- 1" deep
- Color: Brown



Part Number		Price per ea.
49-0952-00	Triple Ground Plug	6.60

EAGLE ARMORED PLUG & CONNECTOR

- Steel clamps and armor are heavily plated for corrosion resistance
- Armor is knurled for easy gripping
- Solid brass plug blades are firmly embedded into body
- Terminal screws are large head type for easy wiring, separated by barriers to prevent flashover or short circuits
- Strain relief clamps are superior designs, providing a secure mechanical grip
- Vinyl Dead-Front Construction
- 2-Pole, 3-Wire Grounding with cord clamp
- Cord diameter .250" - .625"
- UL & CSA listed, NEMA 5-15
- 15 AMP, 125 Volts
- Made in the U.S.A.

Armored Plug Male

Armored Connector Female

15 AMP TYPE (125V):

Part Number		Dia.	Length	Eagle P/N	Price per ea.	L/10	L/20
91-1168-00	Armored Plug Male,	1-1/2"	2"	2867	3.50	3.15	2.95
91-1169-00	Armored Connector Female	1-1/2"	2-19/32"	2887	4.25	3.95	3.75

HEAVY-DUTY CUBE TAP

- 3-socket, 3-wire, 15A 125V
- Color: brown

Part Number		Price per ea.	L/6
43-0527-00	Heavy Duty Cube Tap	6.65	5.25

VINYL GROUND ADAPTER

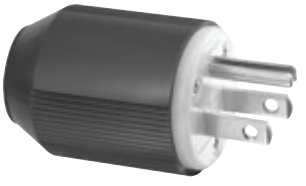
- Connects a 2-wire system to a 3-wire ground
- 15A 125V
- Durable vinyl and metal construction

Part Number		Price per ea.	L/10
91-0042-00	Vinyl Ground Adapter	.70	.62

EAGLE 5266 POLYCARBONATE PLUG

NEW

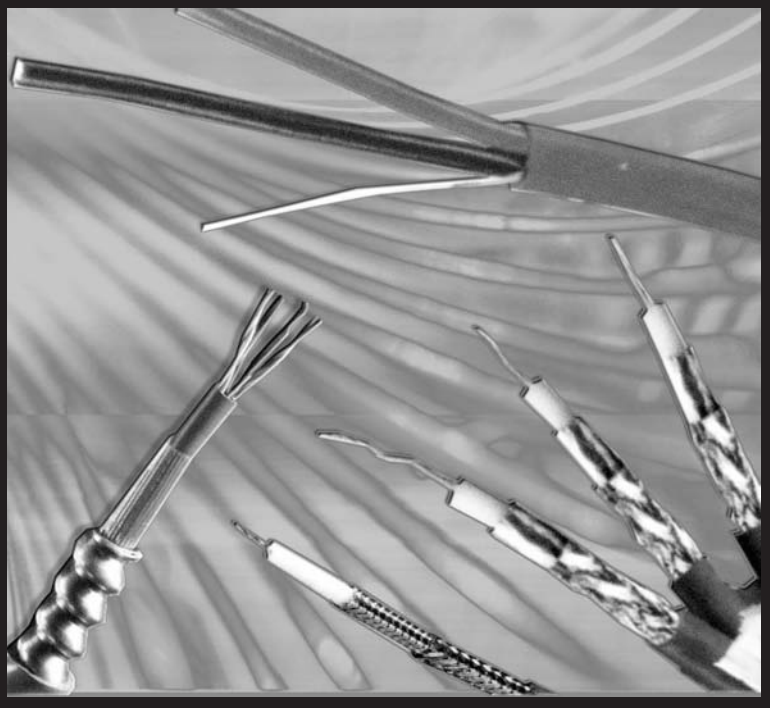
- Impact-resistant housing with brass plug blades
- Separate terminal chambers with clear cover
- UL listed & CSA approved



Part Number		Price per ea.
27-0153-00	Eagle 5266 Polycarbonate Plug	4.29

HAPP®

Your Source for Quality Wire, Cable and Accessories

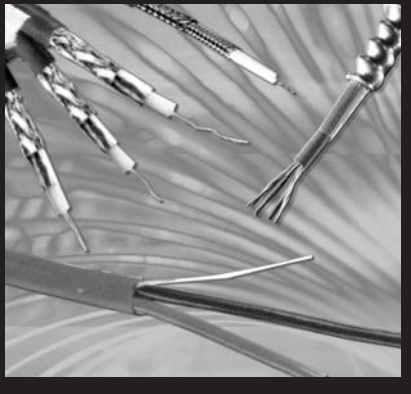


- **Hook-up Wire**
- **Cat 5 Cable**
- **Cat 5E Cable**
- **Cat 6 Cable**
- **Fiber Optic Cable**
- **Fiber Optic Cleaning Kits**
- **Connectors**
- **Power Cable**
- **Power Cords**
- **Tools**
- **Fiber Optic Termination Kits**

Our Experienced Sales Staff is waiting to help you with your cabling needs. Please have the following information handy so they can assist you with your order in a more timely manner.

Information we need to process your order

- Type: Cat 5, Cat 5E, Cat 6, Fiber Optic
- Color
- Gauge
- How Many Pairs
- Jacket: Plenum or Non-Plenum, PVC
- Shielded or Non-Shielded
- Size of spool: 500 ft. or 1,000 ft.
- Specific brands are available, what is your choice



HEAT SHRINK TUBING

- Black polyolefin tubing
- 100 ft. per spool
- Sold by the foot

Part Number	Diameter	Price per ft.
95-0623-00	1/16"	.54
95-0624-00	1/8"	.72
95-0622-00	3/16"	.79
95-0625-00	1/4"	.96
81-0001-00	1/2"	1.45
95-0888-00	3/4"	1.65

SPIRAL CUT WRAP

- Polyethylene material
- Nominal O.D. .250"
- Nominal wall .031"
- Nominal pitch 3/8"
- Maximum bundle 2"
- Sold per foot
- 100 ft. per spool

Part Number		Price per ft.
43-1019-00	Spiral Cut Wrap	.70

BLACK CORRUGATED SPLIT LOOM

- Ideal use in video games, casino gaming, vending and computer applications
- Enables you to maintain a safe and well-organized working environment
- Also known as flex tubing
- Made from polyethylene
- Heat resistant up to 200 degrees F
- Also offers protection from water, snow, ice and salt
- Sold in 100ft rolls, which allows cutting to any length
- Available in three sizes: 3/8", 1-1/4" and 2" diameter
- Tubing is silted, which allows one to protect, organize and conceal exposed electrical wires, wire harnesses, cables and hoses by putting them into a neat bundle

Part Number		Price per ea.
64-0095-00	2" Diameter Black Corrugated Split Loom	189.10
64-0095-125	1-1/4" Diameter Black Corrugated Split Loom	1.45
64-0134-00	3/8" Diameter Black Corrugated Split Loom	19.99

SPRING LOADED WIRE CONNECTORS

- Positive grip design
- For either solid or stranded wire
- Well suited for all types of splices
- Color-coded to make selection on the job easier
- Molded of pliable, fire resistant thermoplastic that is virtually indestructible
- Unique, fully-seated square-wire spring on the inside forms its own threads to draw the connector completely onto wire combinations
- Wide-throat skirt to guard against flashover
- Rated to 105 Degrees C
- UL and CSA listed

Part Number		Color	Wire Gauge	Bag of 100
43-0484-00	Spring Loaded Wire Connectors	Gray	22-16	10.40
43-0483-00	Spring Loaded Wire Connectors	Orange	22-14	13.00
43-0482-00	Spring Loaded Wire Connectors	Yellow	18-12	14.45
43-0917-00	Spring Loaded Wire Connectors	Blue	18-16	16.90

HEAVY DUTY LINE CORD

- Stranded 3-wire
- Black rubber cover
- Ideal for use in power cords for machines
- 250' per roll
- Minimum order 250'

Part Number	Gauge	Volts	Diameter	Price per ft.	L/250	L/500
80-0045-16G	16	600	.435		1.10	.98
80-1147-00	14	300	.350		.98	.88

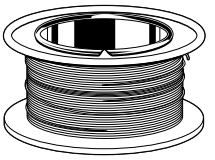
HOOK-UP WIRE

- Stranded wire
- 16, 18, 20, 22 and 26 gauge available
- Various colors available
- Custom color codes can be special ordered
- Sold in 500 ft. or 1000 ft. rolls
- UL listed

Part Number	Gauge	Feet per roll	Color Code	Price per roll
64-0055-00	16	500	Green	41.15
64-0056-00	16	500	White	41.15
64-0057-00	16	500	Black	41.15
64-0058-00	16	1000	Black	88.55
64-0059-00	16	1000	Red	88.55
49-3067-00	18	500	Yellow	26.85
49-1726-00	18	1000	Black	57.65
49-1116-00	20	500	Red	22.40
49-1098-00	20	500	Blue	22.40
49-1097-00	20	500	Violet	22.40
49-1092-00	20	500	Yellow	22.40
49-1088-00	20	500	Green	22.40
49-1086-00	20	500	White	22.40
49-1119-00	20	500	Orange	22.40
49-1110-00	20	500	Black	22.40
49-1105-00	20	500	Gray	22.40
49-1207-00	22	500	Red	17.95
49-0361-00	22	1000	Red	29.85
49-1139-00	22	500	Blue	17.95
49-1138-00	22	500	Violet	17.95
49-1152-00	22	500	Yellow	17.95
49-1152-10	22	1000	Yellow	29.95
49-1149-00	22	500	Green	17.95
49-1209-00	22	500	White	17.95
49-1209-10	22	1000	White	37.05
49-1128-00	22	500	Brown	17.95
49-1121-00	22	500	Orange	17.95
49-1172-00	22	500	Black	17.95
49-1173-00	22	500	Gray	17.95
49-1173-10	22	1000	Gray	32.95
49-1188-00	26	500	Red	15.70
49-1184-00	26	500	White	15.70
49-1183-00	26	500	Brown	15.70
49-1182-00	26	500	Orange	15.70
49-1181-00	26	500	Black	15.70
49-1180-00	26	500	Gray	15.70
49-1187-00	26	500	Violet	15.70
49-1186-00	26	500	Yellow	15.70
49-1185-00	26	500	Green	15.70

WIRE WRAP

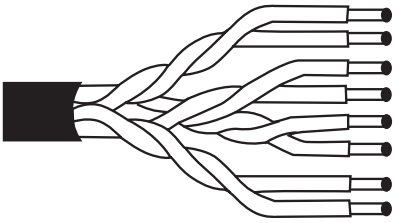
- 30 AWG wire wrap
- Sold by the roll only
- 50 ft. per roll
- Used to repair traces



Part Number		Price per roll
49-1275-00	Blue	20.75
49-1276-00	Yellow	20.75

CAT 5 CABLE

- 24 AWG solid bare copper
- Four unbounded twisted pairs
- 1,000 foot put-ups



Part Number	Type	Belden No.	Shielded	Plenum	Color	Price per box
49-1472-00	CAT5	1624P	Yes	Yes	Gray	595.95
49-1473-00	CAT5	1624P	Yes	Yes	Blue	595.95
43-1735-00	CAT5	1624P	Yes	Yes	Red	595.92
49-0964-1624R	CAT5	1624R	Yes	No	Blue	320.30
49-1361-00	CAT5E	1585A	No	Yes	Gray	269.95
49-1470-00	CAT5E	1585A	No	Yes	Blue	251.85
49-0129-00	CAT5E	1583A	No	No	Gray	157.55

CAT 5E COUPLER

- For Category 5 Enhanced cable
- Gold plated contacts
- Connects two cords
- Color: Black

Part Number		Price per ea.
49-1729-00	CAT 5E Coupler	5.40

CAT 5E SHIELDED PATCH CORDS

- Enhanced 350MBPS
- Shielded RJ45 connectors on each end
- Foil shielded and polyester shielded
- Stranded
- Snagless and molded boots
- Color: Grey

Part Number		Price per ea.
64-0064-00	10′ CAT 5E Patch Cord	6.45
64-0063-00	25′ CAT 5E Patch Cord	10.95

LANROVERPRO™ CAT 5 TESTER WITH LCD DISPLAY

- High performance cable length measurement CAT 5 tester that identifies multiple faults clearly without interpretation
- Tests for shorts, opens, miswires, reversals and split pairs
- Has one-ended testing with pre-test for fast result, clear wire mapping form displayed on 2-line, 16 character LCD display
- The LanRoverPRO™ has a convenient snap together case for easy storage and convenient patch cable testing
- Auto-off/auto-on. Provides up to 10 times better battery life than other testers

- One-ended testing with Pre-Test mode for fast results
- Built-in tone generator mode with selectable tones and pair capability
- This unit includes a carrying case and patch cables.

Part Number		Price per ea.
92-1135-00	LanRoverPRO™ CAT 5 Tester with LCD Display	207.40

WALKIE-TALKIE LAN CABLE TESTER KIT

- "Direct Communication" capability via the LAN Cable under test
- Provide in-line communication capability
- With termination kit, easy installer to remote side (at wall plate or patch panel) communication without additional equipment
- Easy to read pin configuration for 10Base-2 Thin Ethernet (BNC), RJ45/RJ11 patch cables, 356A, TIA-568B and Taken Ring cable
- Continuously sequencing LED display provides diagnostic readout while identifying LAN cable continuity, open, short and mis-wire at a glance
- Kit includes master unit, (2) RJ45 plug to RJ12 jack adapters, (2) earphones, (2) BNC 15cm (6") adapter cables, RJ45 15cm (6") cable, BNC M/M adapter, terminator unit, instruction manual and box.

Specifications: Test Mode: Auto/Manual Scan, Communication Mode: Half-Duplex, Maximum Distance: 1,000 feet, Jack Socket: RJ-45, Power: 9 Volt battery per unit (not included)

Part Number		Price per ea.
92-1921-00	Walkie-Talkie LAN Cable Tester	67.95

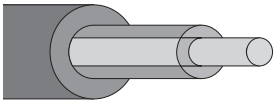
CAT 5 CABLE JACKET STRIPPER

- Designed for Cat 5/5E cables only
- Will not knick inner conductors
- Long life blade
- Durable high impact plastic housing
- Easy to use, no adjustments necessary
- Length: 3.5", weight: 23 grams
- Molded from yellow plastic to make it easier to find. No more lost tools!

Part Number		Price per ea.
92-0613-00	Cat 5 Cable Jacket Stripper	13.35

FIBER OPTIC CABLE

- Glass Fiber Optic Cable used for progressive signage and player tracking systems
- Price per foot
- Sold per roll
- Call for roll size availability (roll sizes vary)
- Quantity discounts available



Part Number		Price per ft.
49-1752-00	Fiber Optic Cable With Glass	1.40

FIBER OPTIC TERMINATION KIT

- Kit includes: cleave tool, crimp tool, fiber stripper, cable stripper, & scissors

Part Number		Price per kit
92-1004-00	Fiber Optic Termination Kit	1639.55

FIBER OPTIC TOOL KIT

- Kit includes: crimper, nick-free strippers, wire cutters, cutting scissors, true view fiber scope kit, polishing disks, component box, swabs, alcohol bottle, syringe, & tweezers, zippered case

Part Number		Price per kit
92-0977-00	Fiber Optic Tool Kit	181.67

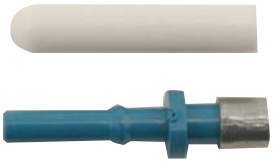
SCREW TYPE MODULAR JACK ASSEMBLY

- Single jack with snap cover
- Double sided sticker
- Mounting screws included
- Gold plated contacts
- Wiring: 6P4C - USOC; 8P8C - AT&T

Part Number		Price per ea.
32-0091-00	6P4C Modular Jack Assembly	1.45
32-0092-00	8P8C Modular Jack Assembly	1.70

CRIMP AND CLEAVE CONNECTORS

- Used in player tracking systems
- For FiberWire™ V-System 400um
- These connectors can only be terminated with VK-6-400 termination kit, Happ No. 92-1004-00
- Overall connector dimension: 1.18"



Part Number		Price per ea.
49-1753-00	Blue Crimp and Cleave Connector	3.85
49-1754-00	Black Crimp and Cleave Connector	3.85

SIMPLEX CONNECTORS

- For plastic optical fiber cable
- Used in Ticket-In / Ticket-Out Cable
- Simplex connector provides a quick and stable connection for applications that require a component-to-connector retention force of 8 Newtons (1.8 lb.)
- Crimp ring included
- Available in gray or blue

Part Number		Price per ea.
HFBR-4501	Simplex Connector, Gray	1.25
HFBR-4511	Simplex Connector, Blue	1.25

EZ-RJ45® TERMINATION KIT
EZ-RJ45® CRIMP TOOL

This high quality crimp tool is designed to quickly crimp and cut the wires of the EZ-RJ45® Connector one easy simple operation!

- Works on most other RJ-11, RJ-12 and RJ-45 connectors
- Precision ground crimp dies
- Straight action cut and crimp performs the best crimp
- Full cycle ratcheting mechanism provides consistent terminations every time
- Crimps and cuts the wire in one cycle
- Built in wire cutter and stripper
- High strength, long life steel frame
- Rust resistant black oxide coating
- Superior quality at an economical price
- Use with EZ-RJ45® connector (92-0611-00)
- Length 8", weight 1lb.

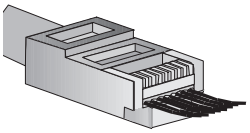
Kit Includes:

- EZ-RJ45® Crimp Tool 92-0612-00
- (50) EZ-RJ45® Connectors 92-0611-00
- (1) Laminated instruction sheet

Part Number		Price per ea.
92-0609-00	EZ-RJ45 Termination Kit	94.90

FOR CABLE MANAGEMENT SOLUTIONS SEE PAGES 364-365

EZ-RJ45® CONNECTORS



The new patented EZ-RJ45® connector simplifies the twisted pair terminations by allowing the wires to be inserted through the connector and out the front. This allows the technician to easily verify the proper wiring order. Termination is made easier by pulling the connector down over the cable jacket and seating it tightly in the rear of the connector. Reducing the distance between the wire twists and contacts improves performance!

- Simple one-piece design – no bars or liners
- Easy to verify wire sequence
- Reduces scrap, no wasted crimps
- Faster terminations
- More reliable, higher performance
- Compatible with most RJ-45 crimp tools except for AMP
- Crimp with the patented EZ-RJ45® Crimp Tool (92-0612-00) for even faster more reliable terminations
- Use in category 3, 5, 5E and 6
- FCC compliant
- Sold by box of 50

Part Number		Price per ea.
92-0609-00	EZ-RJ45® Termination Kit	94.90
92-0612-00	EZ-RJ45® Crimp Tool Only	66.90
92-0611-00	EZ-RJ45® Connectors Only (Min Box of 50)	.65

RJ11 DUPLEX ADAPTER

- Splits one line into two
- Ivory color
- Gold plated contacts
- 6P4C plug, 2 6P4C jacks

Part Number		Price per ea.
32-0090-00	RJ11 Duplex Adapter	1.45

PUNCHDOWN TOOL WITH BLADE

- Spring loaded impact
- Hi-Lo settings
- Spare blade storage in handle
- Blades / Handle inter-changeable with Harris-Dracon 814 tool
- Type 110

Part Number		Price per ea.
92-0901-00	Punchdown Tool With Blade	51.10

MODULAR RJ45 PLUG

- For use with solid conductor round cable
- 8 position, 8 contacts
- Unshielded

Part Number		Price per ea.
27-1349-00	Modular RJ45 Plug	.48

RJ11 & RJ45 MODULAR PLUGS

32-0085-00

43-1665-00

32-0087-00

Two Prong Stranded Flat Cable Plugs		
Part Number		Price per ea.
32-0085-00	RJ11 6P4C Plug	.19
43-1665-00	RJ11 6P6C Plug	.19
32-0087-00	RJ45 8P8C Plug	.20
32-0095-10	RJ45 8P8C Plug, Shielded	1.35

Two Prong Solid Round Cable Plug		
Part Number		Price per ea.
32-0089-00	RJ45 8P8C Plug	.23
32-0095-00	RJ45 8P8C Plug, Shielded	1.30

90° 110 STYLE MODULAR CAT 5 JACK

- Designed to be used with the 110 type punch down tool
- The 110 IDC contacts will accommodate 22-26 AWG solid wire
- Color: Blue
- The mini jack universal design will fit in most keystone hole openings such as Amp, Hubbell, Krone, ICC or other .58" x .76" standard sizes

Part Number		Price per ea.
27-1350-00	90° 110 Style Modular Cat 5 Jack	4.55

GFCI PLUG FOR VENDING MACHINES

NEW

- Protect your machines from ground faults due to faulty equipment or electrical service
- Plugs ideal for use with beverage dispensers, food & snack dispensers, ticketing kiosks, change machines, cord-connected ATM's, etc.
- Automatic reset right angle GFCI plug with black body, 15A-125VAC, 60Hz, 1800W
- UL standard 943 Class A GFCI with open-neutral protection
- Wiring module accepts No. 18 (.300") – No. 12 (.450") cord sizes
- Electronics housing and wiring terminal chamber specially sealed to protect against moisture and dust
- GFCI automatically resets after power interruption
- Test and reset buttons provided
- Power indicator light goes off if GFCI trips or unit is unplugged
- UL recognized and CSA certified
- Limited 1 year warranty

NEC 2002 – Article 422.51 Cord-and-Plug-Connected Vending Machines:

Cord-and-Plug connected vending machines manufactured or re-manufactured on or after January 1, 2005 shall include a ground-fault circuit-interrupter as an integral part of the attachment plug or located in the power supply cord within 300mm (12 in.) of the attachment plug.

UL541 – Refrigerated Vending Machines and UL 751 – Coin-operated Non-refrigerated Vending Machines Standard:

Will require protection after April 2007.

Part Number		Price per ea.
49-2764-00	GFCI Plug for Vending Machines	13.95

POWER CORD

- 3-wire, SJT black jacket
- 8 ft. or 6 ft. long
- 3-prong plug on one end, 3-hole computer style receptacle on the other end
- UL Listed

Part Number		Price per ea.
80-0213-00	16-Gauge, 8' Long	11.80
80-1205-00	18-Gauge, 6' Long	2.70

POWER CORD

- 10 ft. length
- 3-Wire plug on one end, bare wires on other end
- 12 per case
- UL Listed

Part Number		Price per ea.
80-1200-00	Power Cord, 18-Gauge	2.70

POWER CORD WITH ANGLE PLUG

- Angle plug allows machine to be put closer to wall
- 18" long
- 16 gauge, 3-wire
- Black SSJT jacket

Part Number		Price per ea.
49-3072-00	Power Cord with Angle Plug	8.40

6 FT. POWER CORD WITH RIGHT ANGLE FEMALE PLUG

- 3-Wire, SVT black jacket
- 6 ft. long
- 125V, 10A
- UL

Part Number		Price per ea.
80-1205-RA	6Ft. Power Cord w/Right Angle Female Plug	5.15

SLENDER PLUG EXTENSION CORD

- Low profile 3-outlet extension cord
- Used for the Spintek hopper fill
- Plug is only 1/2" thick
- 13A, 125V, 1625W
- 16-gauge, 3-wire
- UL recognized

Part Number		Price per ea.
80-0328-00	Slender Plug, 3 ft.	7.20

THE "SPIDER" POWER CORD

- A Happ exclusive
- Unique power cord for slot machines, video games, kiosks and other applications
- Allows connection of peripheral accessories and still have outlet free for other accessories
- Plugs into the 120 VAC power source and gives you 3 additional outlets (current 5 to 6 amps)
- Within a slot machine, such as IGT Eye Games, Game Kings, and others it allows connection of a player tracking system and a progressive sign and still have an outlet free for other 110 VAC accessories
- Within a video game, it allows connection of a 110 VAC bill validator, soldering iron or other 110 VAC accessories
- Within a kiosk, it allows connection of a 110 VAC bill validator, plug-in power supply for audio amplifier or trackball interface or other 110 VAC accessories
- Black SVT 18-gauge, 3-wire

Part Number		Price per ea.
80-1143-00	The "Spider" Power Cord	15.60

HEAVY-DUTY POWER CORD WITH 90° PLUG

- Ideal for vending machines, slot machines, amusement games and other devices
- 90° plug allows machine to be put closer to the wall
- Black SJT jacket
- UL recognized
- CSA approved
- 9 ft. 14-gauge, 3-wire or 12 ft. 16-gauge, 3-wire available

Part Number		Price per ea.
80-1200-14	Power Cord With 90° Plug, 9ft./14ga.	7.20
49-0948-16	Power Cord With 90° Plug, 12ft./16ga.	5.20

EXTENSION CORD

- Outer jacket will not mark floors or walls
- 16 gauge/3-wire, SJTW
- 15A/300V
- UL listed
- SJTW cords resist deterioration from moisture and abrasion
- Manufactured with stranded and cabled copper conductors and solid molded plugs for longer life

Part Number		Price per ea.
80-0300-00	15 ft. Extension Cord - Orange	12.95

12" POWER CORD ADAPTER WITH ROTATING PLUG

- Converts any 110V (up to 14 gauge) two or three prong plug to a 90-degree plug
- Plug also rotates 360 degrees to adapt to any outlet
- Allows placement of equipment closer to wall
- 12" length
- Color: Gray
- Wire: 14 gauge stranded
- UL listed

Part Number		Price per ea.
49-6241-00	12" Power Cord Adapter With Rotating Plug	7.65

ON-LINE GAME SURGE SUPPRESSOR

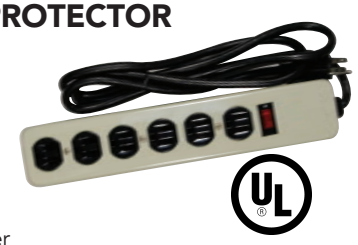
- Protect your on-line equipment from lightning strikes through the phone line, electrostatic discharge, faulty wiring
- Offers simultaneous protection of two dialup telephone lines (RJ45, wires 4-5 and 3-6, 260V clamping)

  Perfect for any on-line game or equipment

  - Golden Tee™ Golf games
  - Counter top games
  - Digital download jukeboxes
- 6-inch heavy gauge grounding lead
- 5-inch patch cable included
- Maximum current: 250 amps
- Instruction manual and warranty information included
- Lifetime product warranty
- Compatible with RJ11 or RJ45 style connectors

Part Number		Price per ea.
80-1248-00	On-Line Game Surge Suppressor	25.99

6-OUTLET POWER STRIP WITH SURGE PROTECTOR



- Ideal for rows of vending machines or games
- Protects equipment from dangerous power surges and spikes that can destroy delicate electronic circuitry
- Lighted ON, OFF switch
- Built-in resettable circuit breaker
- Built-in brackets for easy mounting
- 125V AC, 15 Amps
- Rugged 6 foot cord
- UL listed
- Durable metal construction

Part Number		Price per ea.	L/6
49-0487-00	Six Outlet Power Strip with Surge	15.35	13.50

POWER STRIP WITH SURGE PROTECTOR

- 6 outlets
- 3 ft. power cord
- Heavy duty plastic case
- 1 MOV surge protection
- L-N surge protection
- EMI/RFI noise filtration
- LED indicator, 125V AC, 15 Amps
- UL listed, CSA
- Protect your equipment from power surges and spikes
- Integrated circuit breaker switch with auto reset

Part Number		Price per ea.	L/12
49-0963-10	Power Strip with Surge Protector	5.25	4.95

POWER STRIP WITH SURGE PROTECTOR

- Protect your equipment from power surges and spikes
- 6 outlets
- Lighted ON/OFF switch
- Plastic case
- UL listed

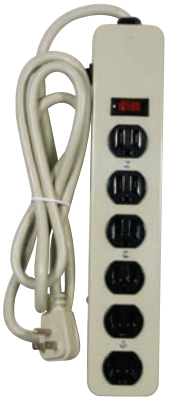
Part Number		Price per ea.	L/12
49-0963-00	4 ft. Power Strip with Surge Protector	9.15	8.60
49-1356-00	6 ft. Power Strip with Surge Protector	9.65	9.15

TRIPP LITE SUPER 7 SURGE SUPPRESSOR

- Great for slot machines, video games, vending equipment, computers, and other electronic equipment
- More Joules mean more protection - Surge energy absorption: 2,350 joules
- 7 outlets
- 7-ft. cord with space-saving right-angle plug
- $75,000 Ultimate Lifetime Insurance covers connected equipment
- Can accommodate up to 3 transformers without blocking remaining outlets
- Diagnostic LEDs indicate protection present and ground present
- EMI/RFI noise filtering
- Keyhole supports for wall mounting
- Two position on/off power switch
- Lifetime product warranty
- Size: 1.5" X 2.75" X 10.25"; UL1449, UL1363, cUL / CSA
- 12 per carton

Part Number		Price per ea.
49-5296-00	Tripp Lite Super 7 Surge Suppressor	29.35

6-OUTLET METAL POWER STRIP WITH RIGHT ANGLE PLUG



- Full 3 line surge protection
- Durable metal construction
- UL listed
- Built-in brackets for easy mounting
- Circuit breaker prevents overloading
- Rugged 6 foot 14AWG SJT cord
- Rating: 125V AC, 15 Amps, 1875W, 3 x 75 joules
- Neon light indicating ON/OFF & protection
- Right angle plug allows this power strip to be mounted in areas that are tight on space
- Protects equipment from dangerous power surges and spikes

Part Number		Price per ea.	L/6
49-0487-90	6 Outlet Power Strip w/ Right Angle Plug	15.70	13.80

7-OUTLET SURGE PROTECTOR WITH SLIDE SAFETY COVERS

NEW

- Sliding child protective covers on each outlet
- 6 ft. 14/3 power cord
- 1500 Joules
- 15 amps, 125 volts
- Spike current: 39,000A
- Clamping voltage: 330v
- EMI/RFI noise filtering
- LED surge protection indicator
- Lighted switch/circuit breaker
- UL 1363, UL 1449 and CSA listed

Part Number		Price per ea.
49-0963-40	7-Outlet Surge Protector with Slide Safety Covers	9.95

SINGLE OUTLET SURGE PROTECTOR

- UL listed
- 15A-125VAC, 1875 watts rating
- Clamping voltage: 330 volts
- Maximum spike current: 4500 amps
- Maximum surge voltage: 6000 volts
- Surge protection on all three lines
- Response time: Less than 1 nanosecond
- Prevents dangerous power surges that can destroy delicate electronic circuitry
- Indicator light signals surge protection is on
- Maximum surge dissipation: 270 Joules

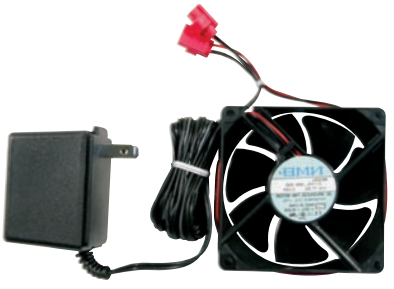
Part Number		Price per ea.	L/6
27-1007-00	Single Outlet Protector	9.95	9.85

COOLING FAN FOR MERIT POWER SUPPLY

- Replaces FD8015B12W3
- 3-1/8" x 3-1/8" x .59" (80mm x 80mm x 15mm)
- Sleeve bearing
- 12VDC
- 3500 rpm, 45 cfm

Part Number		Price per ea.
80-0006-35	Cooling Fan for Merit Power Supply	5.50

COOLING FAN WITH 110VAC ADAPTER



- 3 -1/8" x 1" 12vdc fan
- 110v adapter pre-wired
- Simply plug adapter into a 110v outlet and the fan will power up

Part Number		Price per ea.	L/25	L/50
80-1140-00	Cooling Fan with 110vac Adapter	25.40	21.60	19.15

COOLING FAN FOR MERIT CPU

- Ball bearing fan used in Merit Megatouch for the CPU board
- 50mm x 50mm x 10mm
- 12VDC, 0.16A

Part Number		Price per ea.
80-0006-15	Cooling Fan for Merit CPU	10.05

SOCKET 7 CPU FAN

- 12VDC ball bearing fan
- 3 pin connector
- 9.21~10.3cfm
- 5000 rpm
- Noise level: 27~30dB
- Used on Sigma Slot Machines
- Dimensions: 2" x 2" x 1.25" with heat sink
- For AMD K6/K6-2/K6-III, Intel Pentium 60~266MHz, Cyrix 6x86, 6x86MX and MII and IBM 6x86 processors

Part Number		Price per ea.	L/6
80-0006-13	Socket 7 CPU Fan	21.00	18.90

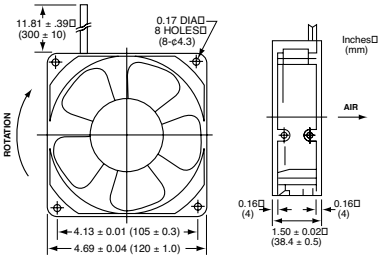
COOLING FAN ASSEMBLY WITH BASE AND 6" LEADS

- Fan size is: 3.15" x 3.15" x 1"
- Sleeve bearing
- Mounting base and grilles included
- 6" leads with connector
- Easily mounts to cabinet to cool CPU boards
- 12vdc, brushless
- UL and CE approved
- This is an original Midway item used in games like: Gauntlet, Hyperdrive, Road Burners

Part Number		Price per ea.
A-21055	Cooling Fan Assembly with Base and 6" Leads	10.05

COOLING FAN

- Industry standard size 4.69" square x 1.5" deep
- Low noise; impedance protected
- 110/120V AC fan easily mounts in most equipment
- Sealed ball or sleeve bearing type
- 98-106 CFM, 2,900 - 3,200 RPM
- Cast aluminum frame



MOUNTING DIMENSIONS

Part Number		Price per ea.	L/25
80-0006-10	Fan with Sealed Ball Bearings with Wire Leads	18.10	15.70
80-0006-11	Fan with Sleeve Bearings	15.05	13.65
80-0006-20	Metal Guard for Cooling Fan	1.70	1.55

3-1/2" BALL BEARING FAN

- 15/16" x 3-1/2" x 3-1/2"
- 50/60 Hz

Part Number		Price per ea.
70-0226-00	115 Volt Fan	21.60
70-0226-10	12 Volt Fan	19.00
70-0226-50	Finger Guard for 3-1/2" Fan	3.15

MOLEX CONNECTORS

Male Style Female Style

43-0243-00 43-0452-00 43-0456-00 42-0722-00 43-0458-00 43-0459-00 43-0169-00

- Commonly used on all types of equipment
- Various sizes available
- Passive (friction) lock

- UL File No. E-29179
- Natural Nylon Color
- 2 Different sizes (.093" and .062")

.093" Family

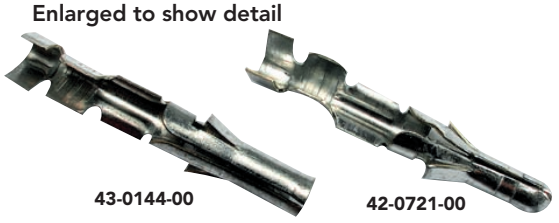
Part Number		Molex Ref. No.	Price per ea.	L/25
43-0250-00	2-Pin Male	03-09-2022	.70	.65
43-0248-00	2-Pin Female	03-09-1022	.70	.65
43-0243-00	3-Pin Male	03-09-2032	.98	.93
43-0452-00	3-Pin Female	03-09-1032	.98	.93
43-1105-00	4-Pin Male Square	03-09-2040	1.20	1.05
43-1107-00	4-Pin Female Square	03-09-1040	1.20	1.05
43-0453-00	4-Pin Male (Vertical)	03-09-2042	1.20	1.05
43-0255-00	4-Pin Female (Vertical)	03-09-1042	1.20	1.05
43-0454-00	4-Pin Male (Square)	03-09-2049	1.35	1.30
43-0455-00	4-Pin Female (Square)	03-09-1049	1.35	1.30
43-1108-00	6-Pin Male Square	19-09-2068	1.45	1.35
43-1106-00	6-Pin Female Square	19-09-1069	1.45	1.35
43-0491-00	6-Pin Male	03-09-2062	1.45	1.35
43-0456-00	6-Pin Female	03-09-1064	1.45	1.35
42-0722-00	9-Pin Male	03-09-2092	1.65	1.60
43-0143-00	9-Pin Female	03-09-1094	1.65	1.60
43-0458-00	12-Pin Male w/ Ears	03-09-2122	1.75	1.70
43-0459-00	12-Pin Female w/ Ears	03-09-1121	1.75	1.70
43-0460-00	15-Pin Male w/ Ears	03-09-2158	2.00	1.95
43-0461-00	15-Pin Female w/ Ears	03-09-1154	2.00	1.95

.062" Family

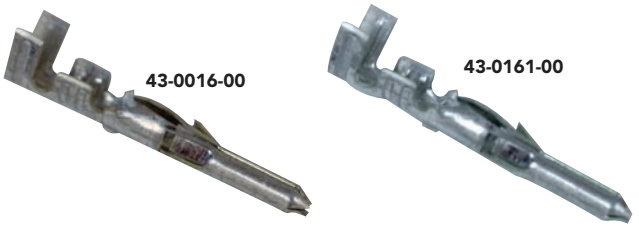
Part Number		Molex Ref. No.	Price per ea.	L/25
43-0015-00	2-Pin Male	03-06-2023	.63	.56
43-0444-00	2-Pin Female	03-06-1023	.63	.56
43-0017-00	3-Pin Male	03-06-2032	.72	.67
43-0467-00	3-Pin Female	03-06-1032	.72	.67
43-0468-00	4-Pin Male (Vertical)	03-06-2042	1.30	1.20
43-0469-00	4-Pin Female (Vertical)	03-06-1042	1.30	1.20
43-0470-00	4-Pin Male Square	03-06-2044	1.30	1.20
43-0471-00	4-Pin Female Square	03-06-1044	1.30	1.20
43-0169-00	6-Pin Male	03-06-2062	1.45	1.35
43-0332-00	6-Pin Female	03-06-1062	1.45	1.35
43-0472-00	9-Pin Male	03-06-2092	1.35	1.25
43-0473-00	9-Pin Female	03-06-1092	1.35	1.25
43-0474-00	12-Pin Male	03-06-2122	1.35	1.30
43-0475-00	12-Pin Female	03-06-1122	1.35	1.30
43-0476-00	12-Pin Male w/ Ears	03-06-2121	1.35	1.30
43-0477-00	12-Pin Female w/ Ears	03-06-1121	1.35	1.30
43-0478-00	15-Pin Male w/ Ears	03-06-2151	1.70	1.65
43-0479-00	15-Pin Female w/ Ears	03-06-6155	1.70	1.65

MOLEX PINS (TERMINALS)

Enlarged to show detail



43-0144-00 42-0721-00



43-0016-00 43-0161-00

- Pins/Terminals required for use in above Molex connectors
- Snap-fit design allows for reliability and ease of installation

- Minimum order 10
- Molex quality

.093" Family

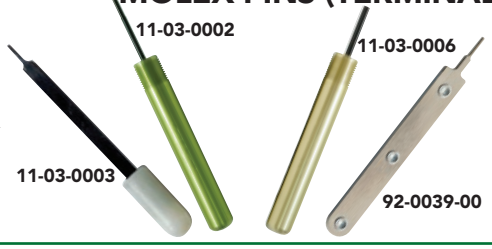
Part Number		Molex Ref. No.	Price per ea. L/10	L/100	L/1000
42-0721-00	Male .093" Pin (Terminal)	02-09-2118	.18	.17	.16
43-0144-00	Female .093" Pin (Terminal)	02-09-1119	.17	.16	.15

.062" Family

Part Number		Molex Ref. No.	Price per ea. L/10	L/100	L/1000
43-0016-00	Male .062" Pin (Terminal)	02-06-2103	.17	.16	.15
43-0161-00	Female .062" Pin (Terminal)	02-06-1103	.17	.16	.15

MOLEX PINS (TERMINAL) EXTRACTOR TOOL

- Allows easy removal of Molex pins from connector
- A must for every toolbox
- For servicing of Molex connectors



11-03-0002 11-03-0006 11-03-0003 92-0039-00

Part Number		Molex Ref. No	Price per ea.
11-03-0006	Molex Extractor Tool for .093" Pins	11-03-0006	21.25
11-03-0002	Molex Extractor Tool for .062" Pins	11-03-0002	21.25
11-03-0003	Molex Extractor Tool for .156" Pins	11-03-0003	11.20
92-0039-00	Molex Extractor Tool for .165" Pins	11-03-0044	33.55

MOLEX TRIFURCON CRIMP-STYLE TERMINAL

- For wire size 18-24 AWG
- Molex ref. no 08-50-0189
- Grips on three sides instead of only one
- For use with all female connectors with .156 centers

Part Number		Price per ea	L/10	L/100	L/1000
43-0515-00	Molex Trifurconl Crimp-Style Termina		.22	.21	.18

MOLEX CRIMP-STYLE TERMINAL

- For use with all Molex female connectors with .156 centers
- For wire size 18-24 AWG
- Molex ref. no 08-50-0106

Part Number		Price per ea.	L/10	L/100	L/1000
43-0523-00	Molex Crimp-Style Terminal		.23	.22	.19

MOLEX CRIMP-STYLE TERMINAL

- For use with female connectors with .100 centers
- For wire size 22-30 AWG
- Molex ref. no 08-50-0114

Part Number		Price per ea.	L/10	L/100	L/1000
43-0524-00	Molex Crimp-Style Terminal		.23	.22	.19

MOLEX C-GRID FEMALE TERMINAL

- Used on bill validator harness
- Used with crimp housing 43-0817-00
- .100 pitch
- 250V 3 amp
- Ref. No. 16-02-0069
- Sold in packs of 100

Part Number		Price per ea.	L/10	L/100	L/1000
43-0816-00	C-Grid Female Terminal		.23	.22	.19

MOLEX MINI-FIT TERMINAL

- Female terminal, 18-24 AWG
- Molex ref. no. 39-00-0039

Part Number		Price per ea.	L/10	L/100	L/1000
43-1224-00	Molex Mini-Fit Terminal		.23	.22	.19

MOLEX MINI-FIT JR RECEPTACLE

- Dual row
- Molex ref. no. 39-01-2060

Part Number		Price per ea
43-1225-00	Molex Mini-Fit Jr Receptacle	.52
43-1225-01	Strain Relief 15-04-0296	1.35

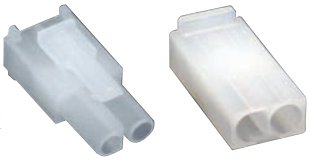
MOLEX C-GRID INTERIM CLIP

- Used on bill validator harness
- .100 pitch
- Dual row
- Requires two 3-circuit plugs (see 43-0817-00)
- 250V 3 amp
- Sold in eaches

Part Number		Price per ea.
43-0818-00	C-Grid Interim Clip	1.80

MOLEX 2-PIN POWER CONNECTORS

- Male plug mates to power input for both Happ and Wells Gardner monitors (2-pin)



Part Number		MOLEX. No.	Price per ea.	L/10
43-0536-00	2-Pin Male w/o ears .093 centers	19-09-1029	.70	.64
43-0543-00	2-Pin Female .093 centers	19-09-2029	1.65	1.45

MOLEX FEMALE HOUSINGS

- Used with .156 Header Wafer Connectors

Part Number	Ref. No.		Price per ea.
43-0698-00	09-50-7201	Molex 20-Pin Female Housing	1.45
43-0923-00	09-50-3101	Molex 10-Pin Female Housing	.68
43-0792-00	09-50-3051	Molex 5-Pin Female Housing	.67
43-0924-00	09-50-3041	Molex 4-Pin Female Housing	.67

MOLEX C-GRID CRIMP HOUSING AND PIN

- Used on bill validator harness
- .100 pitch
- Single row version D
- Back ribs
- 3-circuit

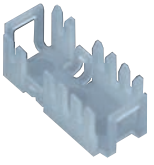
Part Number	Molex No.		Price per ea.
43-0817-00	50-57-9303	C-Grid Crimp Housing	.67
43-1223-00	16-02-0086	Pin for C-Grid Crimp Housing	.16

SWITCH CONNECTOR

NEW

- Use on popular miniature snap switches such as Cherry D4, Omron V10G and Microswitch V3
- Fits .187" or .250" terminals for 22 ga. wire
- Single plug convenience for easy on and easy off maintenance
- eliminates incorrect wiring with single disconnects
- Reliable and fast IDC one-time wiring
- Housing and contact design allows for "end" or "through" terminations.
- Eliminates the need for double wire crimp
- Cover (42-3506-01) provides added strain relief
- UL recognized

42-3506-00



(Lampholder not included)

Part Number		Price per ea.
42-3506-00	Molex Switch Connector	.67
42-3506-01	Molex Connector Cover	.16

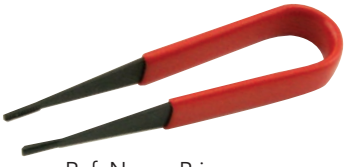
AMP TERMINAL PINS

- Sold per each
- Packed in bags of 100

Part Number	Ref. No.		Price per ea.
43-1116-00	1-66103-7	Amp Pin	.70
43-1115-00	1-66105-8	Amp Socket	.85
43-0794-00	170363-1	Amp Pin	.23
43-0793-00	170365-1	Amp Socket	.23
43-0801-00	16-02-0115	Moltex Male C-Grid	.28
43-0800-00	16-02-0103	Moltex Female C-Grid	.28
43-0521-00	350547-1	Amp Pin	.28
43-0522-00	350550-1	Amp Socket	.28

AMP INSERTION/EXTRACTION TOOL

- For AMP connectors



Part Number		Ref. No.	Price per ea.
43-0998-00	AMP Insertion Tool	91002-1	24.31
92-0272-00	AMP Extraction Tool	455822-2	34.95
822154-1	AMP Extraction Tool	822154-1	9.05

AMP METRIMATE 19-PIN CONNECTOR

- Commonly used in monitors and slot hoppers
- Connects easily when you cannot visually connect them
- .197 centers
- Color: Black

Part Number		Price per ea.
43-0551-01	AMP Metrimate 19-Pin Connector	2.05

PS/2 EXTENSION CABLE

- Shielded and jacketed PVC cable
- Male on one side and Female on the other
- Used to extend length of PS/2 devices such as keyboards, mouse, etc.
- 6' overall length, 6 pin

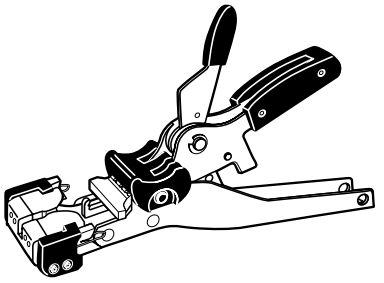
Part Number		Price per ea.
55-0273-00	PS/2 Extension Cable, 6'	5.50

USB EXTENSION CABLE

- Used to extend a USB device such as a trackball, keyboard, printer, modem, scanner, digital camera, etc.
- Extends the A connection (flat end) of a USB cable
- Shielded PVC jacketed cable
- 6' overall length

Part Number		Price per ea.
55-0278-00	USB Extension Cable, 6'	7.70

AMP PICABOND CRIMP TOOL

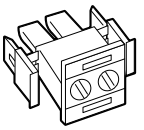


Part Number	Ref. No.		Price per ea.
43-0795-00	244271-1	Amp Picabond Crimp Tool	383.75
43-0796-00	60947-3	Red Striped Connector	.42
43-0797-00	609454-4	Green Striped Connector	.37

AMP PLUG AND RECEPTACLE

- Available in 2-pin or 12-pin configuration

43-0798-00



43-0799-00

Part Number	Ref. No.		Price per ea.
43-0799-00	1-480698	2-pin Amp Plug	.75
43-0798-00	1-480699	2-pin Amp Receptacle	.75
43-1046-00	1-480708	12-pin Amp Plug	1.05
43-1047-00	1-480709	12-pin Amp Receptacle	1.05

AMP MTA-100 CLOSED END HOUSINGS

- .100 centers
- Red plugs for 22 AWG wire
- Mates with all 100 post header assemblies

Part Number	Ref. No.	No. Pins	Price per ea.
43-0810-00	640440-6	6	.90
43-0809-00	640440-8	8	1.30
43-0808-00	1-640440-0	10	1.65
43-0807-00	1-640440-8	18	2.40

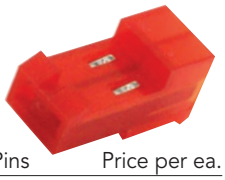
MONITOR EXTENSION CABLE

- Used as VGA or SVGA monitor extension
- Extend your existing short monitor cable to provide useful flexibility
- DB15 Male on one end and DB15 Female on the other
- Ferrite cores on each end for noise suppression
- Shielded cable with multi-coax construction provides a sharp, clear display
- 6' overall length, 15 pin

Part Number		Price per ea.
55-0282-00	Monitor Extension Cable, 6'	9.25

AMP MTA-156 CLOSED END HOUSINGS

- .156 centers
- Red plugs for 22 AWG wire
- Mates with all .156 post header assemblies

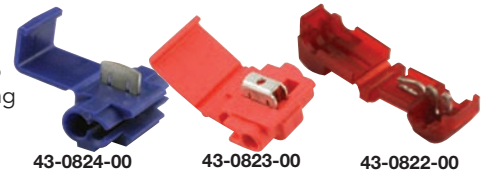


Part Number	Ref. No.	No. Pins	Price per ea.
43-0806-00	643193-2	2	.57
43-0805-00	643193-3	3	.77
43-0804-00	640428-4	4	.57

SCOTCHLOK® CONNECTORS

- Fully insulated
- Easy to install – no stripping or twisting

3M



43-0824-00 43-0823-00 43-0822-00

Part Number	3M No.	Color	Description	AWG	Pack	Price per ea.
43-0824-00	560B	Dark Blue	Scotchlok™	14-18	100	.41
43-0823-00	558	Red	Scotchlok™	14-18	50	.44
43-0822-00	951	Red	T-Tap (.250)	18-22	50	.50

TAP SPLICES

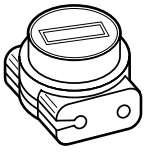
- Fully insulated
- Packed 25 per box
- Minimum order: 1 Box
- Easy to install - No stripping or twisting

Part Number	Color	AWG	Price per box
43-1132-00	Blue	14-18	4.15
43-1131-00	Red	18-22	4.95

CONNECTORS

- 2 wire
- Just trim wires, insert and crimp
- Sold per each
- Packed 100 per box

3M



Part Number	Color	AWG	Price per ea.
43-0782-00	Green Tap Bridge	19-26	.85
43-0781-00	Red 2 to 3-Wire Butt Splice	19-26	.41
43-0783-10	Yellow 2-Wire Butt Splice	22-26	.41

FLAG TERMINALS

- Fully insulated
- Color: Red
- .250 female lug
- For use with 18-22 AWG wire
- Sold in bags of 100

Part Number		Price per ea.
43-0827-00	Flag Terminals	14.40

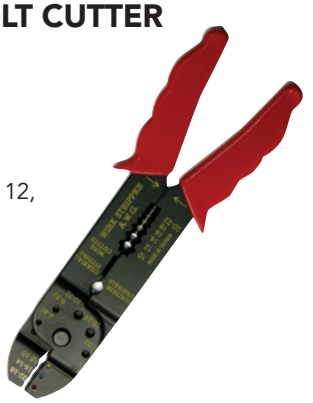
CRIMP STYLE WIRE TERMINALS

- Fully insulated nylon terminals
- Pack of 100
- 14-22 AWG

Part Number		Price per pack	L/10	L/20
43-0789-00	Crimp-Style Wire Terminals	12.45	11.80	11.15

8" CRIMPING TOOL/WIRE STRIPPER/BOLT CUTTER

- Crimps 22-18, 16-14, & 12-10 AWG terminals and connectors
- Color-coded crimp teeth for fast and accurate crimping
- AWG numbered wire stripper for 10, 12, 14, 16, 18, & 20-22 gauge wire
- Bolt cutter for 8-32, 10-24, 10-32, 6-32, & 4-40 threads
- An affordable, 4-way crimping/stripping tool
- Length: 8"



Part Number		Price per ea.
92-0274-00	8" Crimping Tool	7.30

CRIMPING/WIRE STRIPPER/BOLT CUTTING HAND TOOL

- Clean cutting wire cutter
- Wire Stripper for 10,12, 14, 16, 18, and 20 gauge wire
- Bolt Cutter for 8-32, 10-24, 10-32, 6-32, and 4-40 threads
- Crimping tool for .093" Molex pins (terminals)
- Ideal for prototype work, small production volumes and repair jobs

Part Number		Price per ea.
11-03-0004	Hand Crimping/Wire Stripper/ Bolt Cutting Tool	22.00

SARGEANTS CRIMPING TOOL

- For crimping .062, .093, .100, .156 and JST pins
- Ref. No. 1028CT

Part Number		Price per ea.
92-0032-00	Sargeants Crimping Tool	33.99

FORK TERMINALS

- Simply insert stripped wire and crimp
- Various sizes available
- Color-coded for easy identification:
  RED-22 to 18 AWG
  BLUE-16 to 14 AWG
- Sold per pkg. of 100

Part Number		Color	Stud Size	Wire Gauge	Price per pkg.
43-0680-00	Insulated Fork Term.	Red	6	22-18	9.05
43-0681-00	Insulated Fork Term.	Blue	8	16-14	9.05

RING TERMINALS

- Vinyl insulated butt seam
- Sold in packs of 100

Part Number	Stud Size	AWG	Price per pkg.
43-0784-00	#6	18-22	19.55
43-0785-00	#8	18-22	19.55

QUICK DISCONNECT TERMINALS

- Translucent insulator provides fast visual check of the wire connection
- Wire stop prevents insertion of over-stripped wires
- Minimum order 10
- Color coded for easy identification:
  Red (22 to 18 AWG)
  Blue (16 to 14 AWG)

Part Number		Price per ea.	L/1000
43-0401-00	.110 Female Fully Insulated Quick Disconnect for use on 18-22 AWG Wire	.31	.29
43-0538-00	.187" Female Fully Insulated Quick Disconnect for use on 18-22 AWG Wire	.22	.20
43-1229-00	.187" Female Fully Insulated Quick Disconnect for use on 14-16 AWG Wire	.22	.20
43-0539-00	.250" Female Fully Insulated Quick Disconnect for use on 18-22 AWG Wire	.22	.20
43-0541-00	.250" Female Fully Insulated Quick Disconnect for use on 14-16 AWG Wire	.22	.20

PIGGY-BACK TERMINAL

- Insulated
- Terminal size .250

Part Number		Price per ea.
42-2098-00	Piggy-back Terminal	1.05

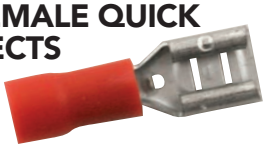
SEMI-INSULATED MALE QUICK DISCONNECTS

- Vinyl insulated butt seam
- Terminal size: .250
- Sold in packs of 100

Part Number	Color	AWG	Terminal	Price per pkg.
43-0826-00	Red	18-22	.250	11.15
42-2097-00	Blue	14-16	.250	11.15

SEMI-INSULATED FEMALE QUICK DISCONNECTS

- Vinyl insulated butt seam
- Sold in packs of 100



Part Number	Color	AWG	Terminal	Price per pkg.
43-0682-00	Red	18-22	.187	10.40
43-0787-00	Red	18-22	.110	10.40
43-1070-00	Red	18-22	.250	10.40
43-0542-00	Blue	14-16	.187	10.40
43-0674-00	Blue	14-16	.250	10.40

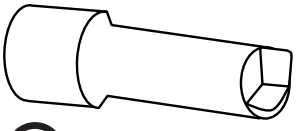
FULLY INSULATED MALE QUICK DISCONNECT

- Fully vinyl insulated butt seam

Part Number	Color	AWG	Terminal	Price per ea.
43-0525-00	Red	18-22	.250	.22
43-1269-00	Blue	14-16	.250	.22

CLOSED END CONNECTORS

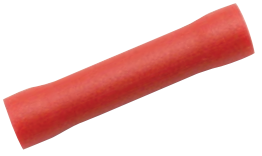
- An easy yet safe way to connect wires together, simply insert stripped wires and crimp
- Listed by: UL (E13288) & CSA (LR7189)
- Insulated



Part Number		Price per ea.	L/100
43-0174-00	Closed End Connector, 22-14 AWG	.18	.17
43-0780-00	Closed End Connector 16-10 AWG	.18	.17

BUTT CONNECTORS

- Insulated for additional protection
- Simply insert stripped wire and crimp
- Various sizes available
- Minimum order of 100
- Color-coded to make selection on the job easier



Part Number		Color	Wire Gauge	Price per ea. L/100	L/500
43-0421-00	Butt Connector	Red	22-18	.18	.16
43-0422-00	Butt Connector	Blue	16-14	.18	.16
43-0423-00	Butt Connector	Yellow	12-10	.22	.20

EDGE CONNECTORS

- Dual row connector
- Available in 20, 56 and 7 Pin Configurations

Part Number		Price per ea.	L/25
49-0011-00	56 Pin "Jamma" Connector with Solder Terminals	3.75	3.45
49-0011-56	56 Pin "Jamma" Connector for Push-In Terminals (Without Terminals)	3.45	3.25
49-0276-00	Push-In Terminals for 49-0011-56 Edge Connector	.22	.20

VELCRO® ONE-WRAP CABLE TIES

- Hundreds of uses
- Ideal for cord and cable control
- Can be reused numerous times
- Size: 1/2" wide x 6" long
- Color: Black

VELCRO® BRAND FASTENING SYSTEMS

Part Number		Price per ea.
90-0011-00	Velcro® One-Wrap Cable Ties	.52

VELCRO HOOK AND LOOP TAPE

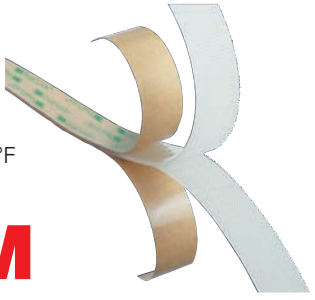
- For fastening a wide variety of items
- Adhesive backing
- .75", 1" or 2" wide tape
- Color: Black
- 25 yards. per roll
- Sold per yard

VELCRO® BRAND FASTENING SYSTEMS

Part Number		Price per yd.
90-0003-03	.75" Velcro Loop Side Only	2.30
90-0004-03	.75" Velcro Hook Side Only	2.30
90-0003-01	1" Velcro Loop Side Only	3.45
90-0004-01	1" Velcro Hook Side Only	3.45
90-0003-02	2" Velcro Loop Side Only	4.35
90-0004-02	2" Velcro Hook Side Only	4.35

3M DUAL LOCK™ LOW PROFILE RECLOSABLE FASTENER

- Pressure sensitive adhesive backing bonds to many surfaces
- Numerous interlocking mushroom-shaped stems positively "snap" together
- Clear acrylic adhesive, -20°F to 150°F
- Sold by the foot
- 1" wide, clear color
- 75 ft per roll
- 3 rolls per case



3M

Uses include:

- Electronics, exhibits, trade shows, Point of Purchase, framing
- Anywhere you need easy access or quick assembly
- Unlike some reclosable fasteners, this is self-mating so only one roll needed reducing inventory
- Light-weight, thin profile (0.067", 1.7mm)
- Stemmed surfaces glide over each other for easy positioning prior to pressing and snapping together

Part Number		Price per ft.
90-0015-00	3M Dual Lock™ Low Profile Reclosable Fastener	1.50

CABLE TIES

- Patented dual locking mechanism facilitates superior locking power
- Low-profile head conserves space and reduces snagging
- Flexible Nylon construction allows ease of use
- Various colors available
- UL approved Nylon
- Sold per bag of 1,000

Part Number	Length	Max. Bundle Diameter	Color	Tensile Strength	Price per bag
90-1034-00	4"	13/16"	Natural	18 lbs	11.85
90-1036-00	6"	1-1/2"	White	30 lbs	16.80
90-1036-03	7.5"	2"	Black	50 lbs	29.95
90-1038-00	8"	2-3/16"	Natural	50 lbs	21.00
90-1038-10	8"	2-3/16	Red	50 lbs	23.10
90-1038-12	8"	2-3/16	Blue	50 lbs	23.10
90-1038-13	8"	2-3/16	Green	50 lbs	35.99
90-1038-15	8"	2-3/16	Yellow	50 lbs	28.35
90-1038-16	8"	2-3/16	Black	50 lbs	26.25
90-1038-17	8"	2-3/16	Orange	50 lbs	25.20
90-1211-00	11"	3"	Natural	75 lbs	40.95
90-0063-00	11"	3"	Natural	55 lbs	18.90

CABLE TIES WITH MOUNTING HOLE

- Same features as cable ties above
- Mounting hole allows wires to be bundled and secured via #10 screw
- UL Recognized
- Sold per bag of 1,000

Part Number	Length	Max. Bundle Diameter	Color	Tensile Strength	Screw Size	Price per bag	L/3 Bags
90-1037-00	8"	1-3/4"	Natural	50 lbs	#10	46.95	44.55

CABLE CLAMPS

- Plastic clamps for channeling cable and wire
- Maximum operating temperature - 600 F to 2750 F
- Sold 100 per bag, except 1" sold in bags of 50

Part Number	Inside Diameter	Price per ea.
90-0002-00	3/16"	7.85
90-0007-00	1/4"	7.85
90-0009-00	5/16"	7.85
90-0010-00	3/8"	7.85
90-0006-00	1/2"	7.85
90-0008-00	5/8"	7.85
90-0005-00	3/4"	7.85
90-0001-00	1"	7.85

P.C.B. SUPPORT SPACERS

60-0901-00 60-0902-00 60-0903-00

Part Number		Price per ea.
60-0901-00	7 Round Stand Off 1/4" Diameter	.59
60-0902-00	Snap-in Stand Off 1/4"	.43
60-0903-00	Board to Board Support	.46

650PC CABLE TIE ASSORTMENT KIT

NEW

- Low-profile head conserves space and reduces snagging
- Flexible nylon construction
- Various sizes available (see chart below for breakdown)

Part Number		Price per ea.	L/3
90-1030-03	650 Pc.Cable Tie Assortment	21.95	18.95

Assortment contains the following Cable Ties:

Qty	Size	Color	Tensile Strength
100	4"	Natural	18lbs
50	4"	Red	18lbs
50	4"	Blue	18lbs
50	4"	Yellow	18lbs
50	4"	Green	18lbs
300	7"	Natural	40lbs
50	11"	Natural	50lbs

MOUNTING PADS FOR CABLE TIES

- Adhesive backed to allow flexibility in mounting and securing wires and cables
- Simply peel paper backing and apply to clean dry surface
- Natural color
- Four-Way insertion - 3/4" pad
- Two-Way insertion - 1" pad
- Sold per bag of 100

Part Number	For Use With	Price per bag	L/3 Bags
90-1031-00	3/4" x 3/4" Mounting Pad	18#, 30#	25.90	24.65
90-1032-00	1" x 1" Mounting Pad	18#, 30#, 50#, 75#	29.90	28.60

POWERLINE FILTERS

- Eliminates power spikes
- .250" quick connect terminals
- 115/250V
- UL recognized

Part Number		Price per ea.	L/25
49-1003-00	Powerline Filter, 10 AMP	9.55	8.60
49-5084-00	Powerline Filter, 5 AMP	8.20	7.30

SANTRONICS AC SENSOR

- Patented outstanding safety equipment – locates defective grounds, energized circuits, induced voltage
- Maintenance, service and electrician personnel need this tool daily!
- Fits in shirt pocket
- Senses voltage without metallic contact
- UL listed-#39F5, tested and approved for public safety
- All outer surfaces are non-conductive for safety
- Detects 50-600 Volts AC
- Choice of OSHA
- Manufactured in the USA

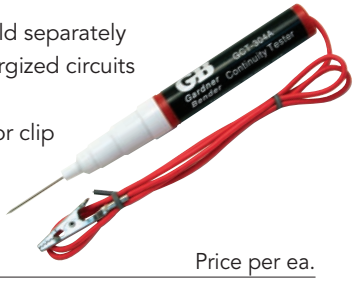
Glows RED when contact is made with:
- Insulated wire with positive AC voltage
- Hot side of receptacle when voltage is present
- Each side of fuse, when checking if fuse is functional

Will not glow RED when contact is made with:
- Shielded cable
- Neutral side of wall outlet or cord (if wired correctly)

Part Number		Price per ea.
92-0281-00	Santronics AC Sensor	21.95

CONTINUITY TESTER

- Operates on 2 AA batteries sold separately
- Tests for continuity in non-energized circuits
- Fully shielded indicator bulb
- Insulated test lead with alligator clip
- 36" lead length
- One year warranty



Part Number		Price per ea.
49-0959-00	Continuity Tester	5.65

STREAMLIGHT STYLUS™ LED FLASHLIGHT

- 100,000 hour lifetime, high-intensity Light Emitting Diode (LED), solid state bulb
- LED available in Arctic White (12,000 millicandelas), Ice Blue (5,000 millicandelas), Green (15,000 millicandelas), or Red (16,200 millicandelas)
- 6000 series tempered aircraft aluminum, anodized finish; non-slip knurled grip
- Run time over 10 hours
- Waterproof, individually serialized, momentary "blink" switch and constant "on", pocket clip
- Weight is only 1.1 ounces with batteries
- Requires three AAAA alkaline batteries (Included)
- Color black; .38" D x 6.21"L
- Shipped with Glare Guard (49-6126-00)

Part Number		Price per ea.
49-1229-02	Streamlite Stylus™ White Led Flashlite	21.95
49-1229-05	Streamlite Stylus™ Blue Led Flashlite	21.95
49-1229-06	Streamlite Stylus™ Green Led Flashlite	24.05
49-1229-07	Streamlite Stylus™ Red Led Flashlite	24.05
49-1229-03	Replacement AAAA Batteries (Pk of 6)	8.30
49-6126-00	Glare Guard	2.00

STREAMLIGHT STYLUS "REACH" LED FLASHLIGHT WITH FLEXIBLE CABLE

- Color: Black
- Run time of up to 60 hour
- Lifetime Warranty
- UL Listed
- Flexible cable extension for tight, hard-to-reach areas
- 100,000-hour lifetime, high-intensity Light Emitting Diode (LED), solid-state bulb
- 6000 series tempered aircraft aluminum, anodized finish; non-slip knurled grip
- Copper-core cable is shielded and insulated with PVC
- Waterproof; individually serialized; momentary "blink" switch and constant "on"; pocket clip
- White LED. Most popular for all-around use. Close to natural light, for "true color"
- Weight is only 1.7 ounces with batteries
- .38" (Dia.); Folded: 7" (L); Extended: 14" (L)
- Requires three AAAA alkaline batteries (included)

Part Number		Price per ea.
49-1229-09	Streamlight Stylus" Reach' LED Flashlight	29.95
49-1229-03	Replacement AAAA Batteries – Pkg. Of 6	8.30

STREAMLIGHT TWIN-TASK™ LITHIUM FLASHLIGHT

- 100,000-hour LEDs should never need replacement
- Patented LED/Xenon combination for super brightness
- Dual modes allow you to switch between 3 LED and Xenon lighting

Part Number		Price per ea.
49-1229-08	Streamlight Twin-Task Lithium Flashlight	49.95

STREAMLIGHT SCORPION™ XENON FLASHLIGHT

Wow, Is this one BRIGHT!

- Compact lithium powered flashlight, only 4.9" long and weighs 4.4 oz
- Xenon gas filled bi-pin bulb provides up to 6,500 candlepower
- Triple action tail cap switch
- Variable spot to flood focus
- Rubber-armored sleeve over aluminum body
- Unbreakable polycarbonate lens
- Belt clip attachment
- Includes two long life 3 volt lithium batteries and one spare bulb
- Color: Black

Part Number		Price per ea.
49-6123-00	Streamlight Scorpion™ Xenon Flashlight	49.95
49-6125-00	Replacement 3 Volt Lithium Batteries (Pk of 2)	13.65
49-6124-00	Replacement Xenon Bulb	6.00

TRIDENT™ LED HEADLAMP

- Combination Krypton/LED headlamp
- Comfortable adjustable strap; 90° tilting head; spot-to-flood focus; 3 levels of lighting
- Up to 150 hours run time using the LED lamp
- Durable, water-resistant, with a virtually unbreakable yellow polymer body and scratch-resistant lens
- Lightweight only 5 ounces with batteries
- Requires 3 AAA alkaline batteries (49-6172-00)
- 2" D x 2" H x 2.75" L

Part Number		Price per ea.
49-1229-01	Trident™ LED Headlamp	36.95

STREAMLIGHT® LITEBOX® FLOOD LAMPS

- Rechargeable Halogen Lantern System
- Powerful halogen beam; 120V AC, 12V DC 8 Watt
- Economical – rechargeable up to 500 times
- Rugged sealed polymer casing
- Convenient charging rack
- Colors: Orange or Beige
- Limited lifetime warranty

Part Number		Price per ea.
49-1229-11	Streamlight Litebox Flood Lamp, Orange	198.95
49-1229-16	Streamlight Litebox Flood Lamp, Beige	198.95

LIGHTWAVE PRO 2000 LED FLASHLIGHT

- Super-bright white LED, visible for over one mile
- Solid-state Light Emitting Diodes (LEDs) last thousands of hours
- Space-age solid-state circuitry allows a set of batteries to last 14 times longer than a regular flashlights
- Water resistant, designed for use in all weather conditions
- Shockproof – withstands a drop from 4 feet onto concrete
- 3 year warranty – does not cover the batteries or abuse
- High impact composite case
- Utilizes four high-powered super-bright white LED
- Requires three AA alkaline batteries (not included)
- Industrial grade switch, rated for 10,000 easy on/off operations
- Size: 1.25" D x 7" L

Lightwave

Part Number		Price per ea.
49-6119-01	Lightwave Pro 2000 LED Flashlight with White LED	36.10

LIGHTWAVE PRO 3000™ LED FLASHLIGHT

- Super-bright white light, visible for over one mile
- Solid-state Light Emitting Diodes (LEDs) do not burn out. Typical lifetime: over 11 years of continuous use
- Space-age solid-state circuitry allows a set of batteries last up to over 25 days of continuous use
- Water resistant – designed for use in all weather conditions
- Shockproof up to a 4 foot drop
- 3 year warranty – does not cover the batteries or abuse
- High impact composite ABS plastic case with genuine rubber over-molding
- Utilizes seven high-powered super-bright white LED light sources
- Three C cell batteries required (sold separately)
- Push button for easy on/off
- Industrial grade switch, rated for 10,000 on/off operations
- Size: 1-5/8" D x 8-3/4" L

Lightwave

Part Number		Price per ea.
49-6118-00	Lightwave Pro 3000™ LED Flashlight	49.95

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Call 888-BUY-HAPP
LOCATE A SALES REP NEAR YOU!
HAPP®

LIGHTWAVE CLASSIC 2000™ LED FLASHLIGHT

- Super-bright white light, visible for over one mile
- Solid-state Light Emitting Diodes (LEDs) do not burn out. Typical lifetime: over 11 years of continuous use
- Space-age solid-state circuitry allows a set of batteries to last 14 times longer than a regular flashlight (over 300 hours)
- Waterproof up to two feet – not just water resistant
- Shockproof up to a 10 foot drop
- 3 year warranty – does not cover the batteries or abuse
- High impact composite case
- Utilizes four high-powered super-bright white LED light sources
- Three AA alkaline batteries are included
- Twist flashlight head for easy on/off
- Size: 1.25" D x 7" L

Lightwave

Part Number		Price per ea.
49-6119-00	Lightwave 2000™ LED Flashlight with White LED	29.95
49-6119-10	Nylon Flashlight Holder with Belt Clip	13.35

MINI MAGLITE FLASHLIGHTS

- High quality flashlights
- Batteries included
- Color: black
- 12 per box

49-1216-00

49-1215-00

MAGLITE FLASHLIGHTS

Part Number		Price per ea.
49-1216-00	AA Size	19.55
49-1215-00	AAA Size	16.65
92-0227-00	Nylon Flashlight Holster	4.40

MINI MAGLITE LED WITH 2-CELL AA BATTERIES

NEW

- A Powerful Projecting Beam that focuses simply by rotating the head.
- Balanced Optics™, combining a highly refined reflector with a quality LED, for a brilliant adjustable beam.
- Intelligent Energy Source Management (patent pending) balancing high brightness with efficient power usage.
- Patented Candle Mode
- PLUS: All of the quality features professionals and consumers expect from a Mag® flashlight:
- Rugged, machined aluminum construction with knurled design
- Anodized inside and out for improved corrosion insurance.
- Water and shock resistant
- All Mag® flashlights are designed, patented and manufactured in the U.S.A. May contain some imported components
- Holster and 2 batteries included

Part Number		Price per ea.
49-1216-10	Mini Maglite LED With 2-Cell AA Batteries	34.95

EVEREADY INDUSTRIAL MAGNETLIGHT

- Super bright Krypton bulb
- Performance and quality at a value price
- Ergonomically designed
- Hanger Ring
- Handy magnet lets you keep the flashlight convenient
- Easy slide switch
- Anti-roll design
- Chemical resistant
- Uses 2 D cell batteries (sold separately)
- Bright yellow color, Faceted reflector

EVEREADY

Part Number		Price per ea.
49-1218-00	Eveready Industrial Magnetlight	5.45

EVEREADY POCKET PEN LIGHT

- Handy flashlight comes with pocket clip
- Durable metal case
- Long life push button switch
- Bright concentrated beam
- Eveready Ref. No. 6212-1ACS
- Uses 2 AAA batteries (included)

Replacement lamp # 222

- Length: 5.48"
- Shipped in assorted colors, specific colors cannot be requested

EVEREADY

Part Number		Price per ea.
49-1217-00	Eveready Pocket Flashlight	6.20

RAYOVAC ROUGHNECK FLASHLIGHT AA SIZE

- Tough polypropylene case resists water, gas, grease, oil and impact
- Adjustable spot to flood focus
- Brighter, whiter krypton bulb
- Roughneck is the toughest, most durable flashlight that Rayovac makes
- Full lifetime warranty
- Uses 2 AA batteries (included)
- Ref # R2AA

RAYOVAC INDUSTRIAL

Part Number		Price per ea.
49-5100-00	RAYOVAC Roughneck Flashlight AA Size	9.90
49-1226-00	Replacement Lamp	4.55

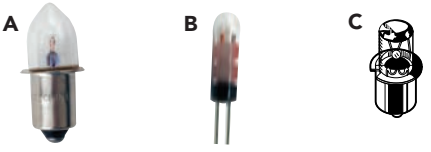
BATTERY CHARGER

- Charges 2 or 4 AA, AAA, C, D or up to two 9 volt batteries
- 3 hour charge
- Batteries sold separately
- Sold in packages only
- Nickel Metal Hydri batteries can be stored charged or uncharged

Part Number		Price per ea.
49-3116-00	Battery Charger	25.70
49-0848-00	D Battery (Min. 2)	6.80
49-0850-00	AA Battery (Min. 4)	6.25
49-0852-00	AAA Battery (Min. 4)	4.15
49-0851-00	9V Battery	14.00

FLASHLIGHT BULBS

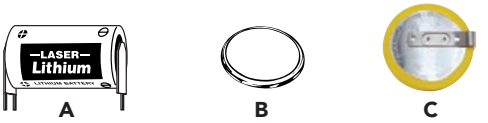
- Long lasting
- High quality
- For use in various flashlight types



Part Number	Type	Description	Price per ea.
49-1225-00	A	For 2 D Cells (Pk. of 2)	2.20
49-1230-00	B	Mini-Maglite Bulb For AA/AAA Flashlights (Pk. of 2)	3.15
91-1125-00	C	222 Lamp	.93

LITHIUM BATTERIES

- Various types



Part Number	Style	Ref. No.		Price per ea.
49-0855-00	A	MN02	Laser Lithium 3V, PC mount	10.35
27-0086-00	B	CR2025	Lithium, 3V coin cell	1.25
49-0857-00	B	CR2032	Lithium, coin cell	4.45
49-0858-00	B	BR2330	Lithium, coin cell	4.55
49-5096-01	B	CR2354	Lithium, coin cell	4.55
49-5096-00	C	BR2325-1HC	Lithium, 3V with leads	4.55
49-1273-00	C	BR2325-T2	Lithium, 3V with leads	10.10

PROCELL® PROFESSIONAL ALKALINE BATTERIES

- Manufactured by Duracell®
- Power Pro technology delivers more power for longer life
- PROCELL® alkaline batteries provide the same performance and quality as DURACELL® batteries
- Long lasting power providing superior dependability – even after five years of storage
- Lasts up to five times longer than super heavy duty batteries
- Long service life at high drain discharges
- Operates reliably in temperature extremes of –20 degrees C to 54 degrees C
- Date coded to ensure freshness
- Contains no added mercury

DURACELL MD
PROCELL MD
LAMPES DE POCHE PROFESSIONNELLES

Part Number		Price per ea.
49-6171-00	AA Alkaline Battery	.72
49-6172-00	AAA Alkaline Battery	.72
49-6173-00	C Alkaline Battery	1.25
49-6174-00	D Alkaline Battery	1.20
49-6175-00	9V Alkaline Battery	2.05

SPECIALTY BATTERIES

- Used on MPU Boards
- Serves as memory backup for many gaming, amusement and vending applications

A

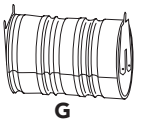
B

C

D

E

F


G

H

Part Number	Style	Ref. No.		Price per ea.
27-1032-00	A	2/V 150H	2.4V Varta Ni-Cad, with DIP pins	11.80
80-0185-00	B	100103	3.6V DC Ni-Cad, AA w/tabs	12.40
27-1002-00	C	TL2150/P	3.6V Lithium w/pigtails, 1/2AA	9.90
27-1236-00	D	TL5101/T	3.6V Lithium w/tabs, 1/2AA	6.30
27-1040-00	E	TL5104P	3.6V Lithium w/pigtails, AA	11.80
49-0856-00	F	TL5104T	3.6V Lithium w/tabs, AA	11.80
49-0861-00	G	3/V 80H	3.6V 70mah Varta w/pins	11.80
49-0860-00	H	3/V150H	3.6V 140mah Varta stacked w/pins	11.80

REPLACEMENT 2-WAY RADIO BATTERIES

NEW

- Long life batteries
- OEM replacements
- Other models available; Ask if you don't see your model

Part No	Mfg. Ref. No.	Mfg.	Models	Voltage	Capacity	Type	Price per ea.
27-0230-00	FRS Pack	Cobra	Cobra FRS	4.8v	700 mAH	NIMH	18.95
27-0195-00	KNB-15A	Kenwood	TK260/270/272G/360/370/372G	7.5v	1200 mAH	NICAD	31.95
27-0236-00	KNB-17A	Kenwood	TK280/290/380/390/480/490	7.5v	1500 mAH	NICAD	36.95
27-0231-00	53615	Motorola FRS	T5000 Series Radios	3.6v	700 mAH	NICAD	14.95
27-0235-00	HNN9009AR	Motorola	HT750/1250/1550/GP320/328	7.5v	1600 mAH	NIMH	49.95
27-0238-00	HNN9018AR	Motorola	HT10/P10/P50/SP10/SP50/Spirit	7.5v	1200 mAH	NICAD	24.95
27-0232-00	HNN9027AR	Motorola	HT10/P10/P50/SP10/SP50/Spirit	10.8v	700 mAH	NICAD	23.95
27-0143-00	HNN9049	Motorola	P1225	7.5v	1300 mAH	NICAD	41.15
27-0228-00	HNN9049	Motorola	P1225	7.5v	1800 mAH	NIMH	45.95
27-0233-00	HNN9628A	Motorola	GP300/GTX Series/LTS2000	7.5v	1200 mAH	NICAD	32.95
27-0229-00	HNN9720B	Motorola	Talk About/Spirit GT/GT+	3.6v	700 mAH	NICAD	36.95
27-0234-00	NTN5447A	Motorola	MT1000/MTX800/MTX900	10.0v	1200 mAH	NICAD	36.95
27-0237-00	NTN7144	Motorola	MT2000/HT1000/6000/JT1000	7.5v	1500 mAH	NIMH	36.95

CIRCUIT ANALYZER AND RECEPTACLE TESTER

- Neon indicators give positive indication of circuit status
- Compact unit simply plugs into any standard 3-wire / grounded receptacle (110-125V AC circuits)
- Tests for 6 circuit conditions: open ground, open neutral, open hot, hot/ground reverse, hot/neutral reverse and correct wiring
- Succession of yellow and red lights provide indication of circuit status or specify which wire is defective
- Easy to read 3 views – top, side and bottom
- Will not normally trip GFCI

Part Number		Price per ea.
49-0958-00	Circuit Analyzer and Receptacle Tester	9.05

INTERLOCK SWITCHES

- E68-00A SPDT, 0.1 amp
- E68-01A SPST, 0.1 amp
- E69-00A SPDT, 10 amp
- E69-30A SPDT, 10 amp
- E78-00A DPDT, 0-1 amp
- E78-40A DPDT, 0.1 amp
- E79-00A DPDT, 10 amp
- E79-30A DPDT, 10 amp
- E79-40A DPDT, 10 amp
- UL/CSA Listed

E68/E69 Style

E78/E79 Style

Part Number		Price per ea.	L/25
53-7031-00	Interlock Switch, E68-00A	3.00	2.65
53-7025-00	Interlock Switch, E68-01A	2.80	2.45
53-7020-00	Interlock Switch, E69-30A	2.50	2.40
53-7011-00	Interlock Switch, E79-00A	4.20	3.55
53-7010-00	Interlock Switch, E69-00A	5.25	4.30
53-7032-00	Interlock Switch, E78-00A	6.75	5.60
53-7026-00	Interlock Switch, E78-40A	11.55	10.30
53-7030-00	Interlock Switch, E79-30A	3.75	3.40
53-7028-00	Interlock Switch, E79-40A	4.00	3.20
42-0578-00	Bracket for E68 & E69 Interlock Switches	1.60	1.40

SINGLE OR DOUBLE POLE SWITCHES

- .250 terminals
- 125 or 250 volt
- 15 Amp

95-0851-00

95-0852-00

Part Number		Ref. No.	Price per ea.
95-0852-00	Single Pole Door Switch	E13	6.75
95-0851-00	Double Pole Door Switch	E19-00M	9.50

SWITCH HOLDER

- Specially designed bracket to hold Cherry E7 series switches
- Protects switch from damage
- Switch easily snaps into holder
- Easy adjustable mounting
- Made from heavy duty 16-gauge steel
- Uses # 10 screws
- Switch not included

Part Number		Price per ea.	L/100
42-8061-00	Drop Door Switch Holder	1.30	1.05

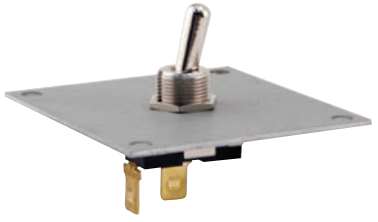
DROP DOOR SWITCH HOLDER

- Specially designed bracket to hold Cherry E7 series switches
- Protects switch from damage
- Switch easily snaps into holder
- Easy adjustable mounting
- Durable plastic design
- Uses # 10 screws
- Switch not included

Part Number		Price per ea.
22-0098	Drop Door Switch Holder	.92

BRACKET ASSEMBLY WITH ON/OFF TOGGLE SWITCH

- Pre-assembled for easy installation
- Plate is pre-drilled with four mounting holes
- Overall plate dimensions: 2.25" x 2.50"
- .250" terminals
- UL/CSA listed



Part Number		Price per ea.
49-5259-00	Bracket Assembly with ON/OFF Toggle Switch SPST, 20 amp, 125v, .250" terminals	5.65

TOGGLE SWITCHES

- .250 terminal
- 1/2" mounting hole
- UL/CSA listed

Part Number		Amps	Volts	Price per ea.
49-0005-00	Double Pole Single Throw	20	125	5.20
49-0031-00	Single Pole Single Throw	20	125	4.75

Cherry Offers You

Selection, Quality and Support

Cherry's ever-expanding lineup of switch products is one of the industry's best...

But depth of line is just one facet of Cherry's offering; we're equally obsessed with product quality. At Cherry, we feel our quality standards should be tougher than yours.

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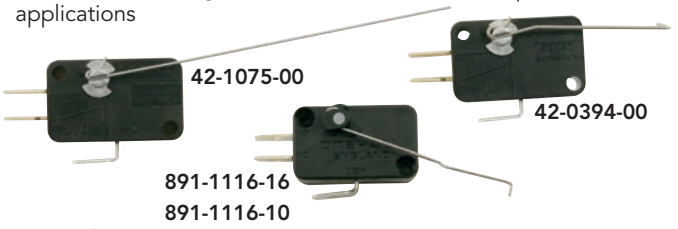
COIN SWITCHES

- Available with straight wire or custom bend to fit specific applications



Part Number		Price per ea.	L/100
42-1075-00	Coin Switch Assembly w/straight wire	3.75	3.15
42-0394-00	Coin Switch Assembly w/Bend for Happ Coin Doors	7.45	7.15
891-1116-10	Coin Controls Coin Switch with Formed Actuator, Red	6.85	5.90
891-1116-16	Coin Controls Coin Switch with Formed Actuator, Black	5.15	4.60
42-7087-00	Coin Switch Assembly Crouzet .250 Terminal	6.85	5.90

COIN SWITCH WITH WIRE

- .187 quick connect terminals
- High Cherry quality
- 125 Volt

Part Number	Description	Cherry No.	Amps	Price per ea.	L/25
42-0105-00	White Dot	E51-39RA	6	4.85	4.05
42-0315-00	White Dot (Horizontal Leads)	E53-78R	.01	6.90	6.35
42-0312-00	Blue Dot	E53-82R	.01	5.50	4.95

COIN SWITCH WIRE AND RETAINER

Part Number		Price per ea.
42-0200-00	3-¼" Hair Clip Style Wire	.26
95-4186-00	Wire Retainer (Push Nut)	.18

WATERPROOF SNAP SWITCH

- Waterproof and dust proof
- 5 amps
- 125/250 Volts
- .110 terminals

Part Number		Price per ea.	L/100
95-0863-00	Waterproof Snap Switch	2.35	2.10

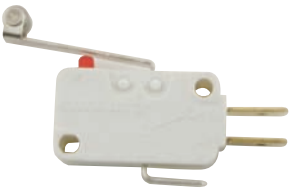
ON-OFF BUTTON

- Push-on push-off (Latching)
- Red button cap
- 1/2" x 1/2" square
- 1-1/2" long
- 3 amp, 250 volt
- .110 terminal

Part Number		Price per ea.
95-0842-00	On/Off Button	2.65

LONG ARM SWITCH WITH ROLLER ACTUATOR

- 10 amps
- 125/250 volts
- .250 terminals



Part Number		Price per ea.	L/12
50-8018-20	Long Arm Switch w/Actuator	4.65	4.05

SNAP SWITCHES

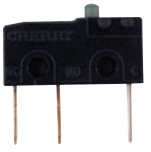
- High Cherry quality switch
- 75 gram (standard) actuating force
- .187" or .250" terminal available

.187 Term. Shown

Part Number	Type	Terminals	Amps	Price per ea.	L/100
95-0733-01	D44	.187″	10	.97	.83
95-4114-00	D41	.187″	0.1	3.45	2.75
95-4111-00	D44	.250″	10	1.10	.96
95-4115-03	D41	.250″	0.1	3.45	2.75

MINIATURE SNAP SWITCHES

- Used for VLT buttons
- .110 terminals
- 125 volts



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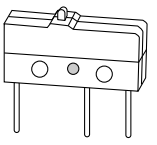


Type: B

Part Number	Ref. No.	Amps	Actuator	Type	Contacts	Price per ea.
95-4117-00	DA3CBWBA	0.1	Green	A	Gold	3.45
95-4118-00	DA3ABWDD	0.1	White	A	Gold	2.15
95-4139-00	E62-30A	10	Red	B	Silver	2.65

SWITCHES WITH ACTUATOR

- .250 terminal
- 1-1/2" actuator

Part Number	Ref. No.	Amps	Volts	Price per ea.
42-0096-00	E-13-00H	15	125/250	3.65
42-0330-00	G-13-00H	0.1	125	10.45

MOMENTARY SWITCH

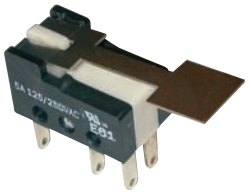
- Normally Open
- Single pole single throw
- 3 amp, 125 volt
- 1 amp, 250 volt
- 1/2" mounting hole

Part Number		Price per ea.
95-0845-00	Momentary Switch	7.85

MINI-SWITCH FOR IGT SLANT TOP GAMES

NEW

- Cash can switch for IGT slant top games
- Cherry E61-42MA replacement switch
- Double pole; double throw
- 5A, 125/250VAC
- IGT ref no. 51017490



Part Number		Price per ea.
70-1022-00	Mini-Switch for IGT Slant Top Games	9.85

MAGNETIC SWITCH

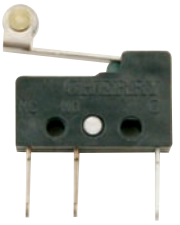
NEW

- Switch can be used as normally open or normally closed
- Includes 4 screws

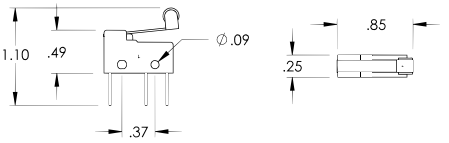
Part Number		Price per ea.
30-0209-00	Magnetic Switch, Normally Open/Closed	5.00

MINI-SNAP SWITCH WITH ROLLER ACTUATOR

- Roller actuator
- .110 terminals
- 0.1 amp 125 volt
- High Cherry quality
- Ref. No. E63-30K



Mounting Dimensions

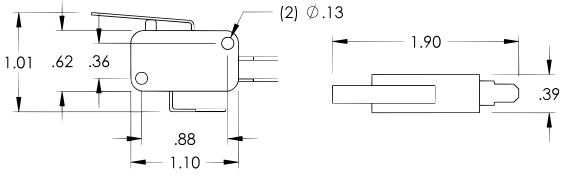


Part Number		Price per ea.	L/100
95-4138-00	Mini-Snap Switch With Roller Actuator	4.20	3.75

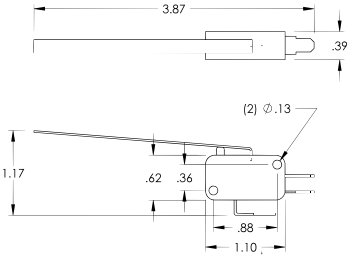
SNAP SWITCHES WITH STRAIGHT ACTUATORS

- 10 Amps
- 125 Volts
- .187 terminals

Mounting Dimensions 95-0735-00



Mounting Dimensions 95-4214-00



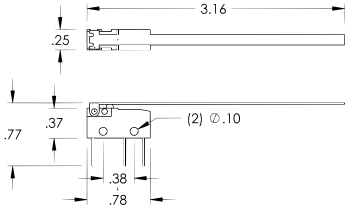
Part Number		Price per ea.
95-0735-00	1" Long Actuator	3.15
95-4214-00	3" Long Actuator	1.85

MINI-SNAP SWITCHES WITH ACTUATOR

- Fit All Recent Pinball Games
- 3" long actuator
- 0.1 amp, 125 volts
- .110 terminals

Part Number		Price per ea.	L/100
95-4183-00	Mini-Snap Switch w/Flat Actuator	3.55	2.80
95-4170-00	Mini-Snap Switch w/Wire Actuator	3.55	2.75

Mounting Dimensions 95-4183-00

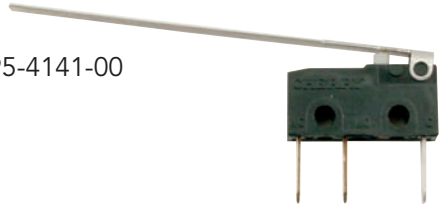


SWITCHES WITH ACTUATORS

- Made with GOLD contact CHERRY switches for long reliable service
- Two types available: "Miniature" D4 series "Subminiature" DA3 series
- Fit most applications on recent pinball games
- OEM applications – Custom designed switches also available, please inquire

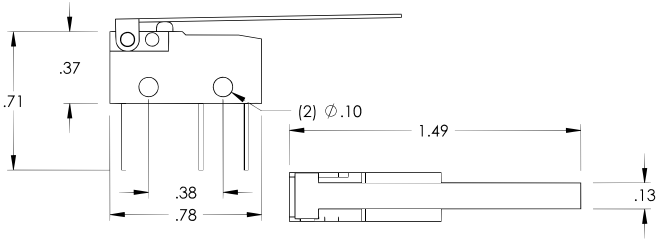
CHERRY

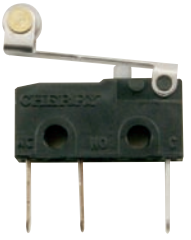
SUBMINIATURE SWITCHES



95-4141-00

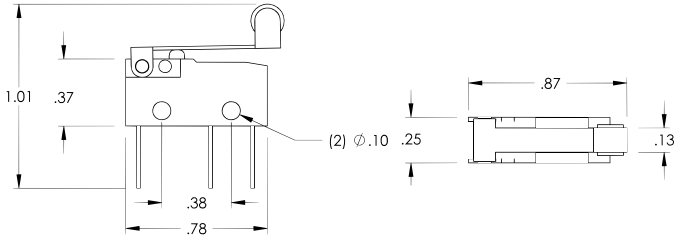
Mounting Dimensions 95-4141-00





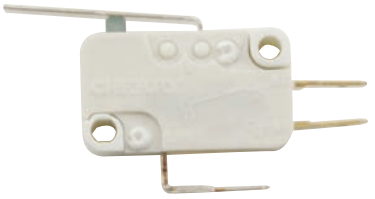
95-4142-00

Mounting Dimensions 95-4142-00



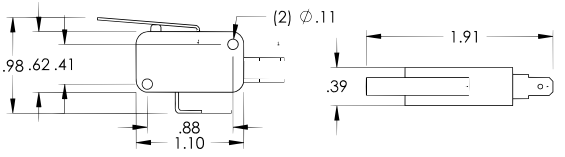
Part Number		Price per ea.	L/25
95-4141-00	Door Switch	2.75	2.20
95-4142-00	Validator Door Switch	2.75	2.20

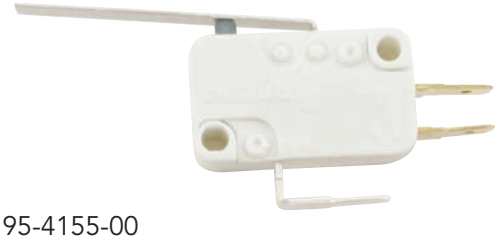
MINIATURE SWITCHES



95-4177-00

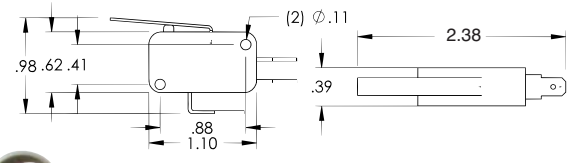
Mounting Dimensions 95-4177-00





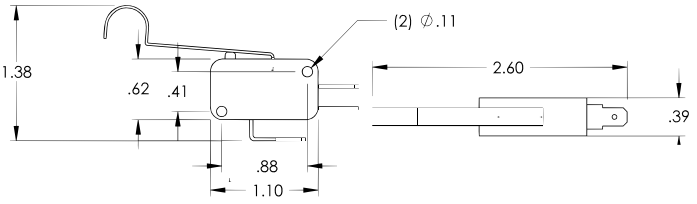
95-4155-00

Mounting Dimensions 95-4155-00



95-4152-00

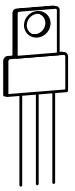
Mounting Dimensions 95-4152-00



Part Number		Price per ea.	L/25
95-4177-00	Hopper Escalator Switch	2.95	2.40
95-4155-00	Hopper Escalator Switch	4.00	2.65
95-4152-00	Validator Switch	4.25	3.55

NTE SEMICONDUCTORS

NTE ELECTRONICS, INC.



- Happ is now an authorized NTE distributor
- Call us for all your electronic needs

Part Number		Price per ea.
NTE116	R-Si, 600PRV, 1A	.81
NTE123A	T-NPN,SI-AF/RF AMP,TO-18	.75
NTE123AP	T-NPN, Si, Audio Amp, Sw	1.10
NTE125	D-Si, 1000 PRV, 2.5A	.87
NTE129P	T-PNP, Si, Gen Purpose Amp	1.65
NTE135A	Zener Diode	1.10
NTE142A	Zener Diode	.66
NTE145A	Zener Diode	.44
NTE153	T-PNP, Si, Audio, Gen Purp Amp	3.20
NTE156	R-Si, 1000 PRV, 3A	1.60
NTE159	T-PNP, Si, Low Noise Audio Amp	1.85
NTE169	R-Si, Bridge, 600 PRV, 2A	3.70
NTE1773	IC-Linear, Vert Defl Output	3.50
NTE1777	IC-Linear, TV, Fixed Vltg Reg,	14.35
NTE1788	IC-Linear, Vert Defl., Output	6.85
NTE1797	IC-Linear	3.57
NTE1855	IC-Linear, IF Amp	3.80
NTE1862	IC-Linear, Vertical Defl	6.85
NTE1917	IC-Vltg Reg, Neg, -5V, 100mA	3.75
NTE2013	IC-7-Channel Darlington	4.00
NTE2018	IC-8-Channel Darlington	3.90
NTE232	T-PNP, Si, Darlington Amp	1.20
NTE2324	T-NPN, Si, High Voltage Switch	10.10
NTE2331	T-NPN, Si, Horiz, Defl	7.75
NTE2344	T-PNP, Si, Darlington Audio Amp	2.50
NTE2353	T-NPN, Si, Horiz Defl Output	6.80
NTE2354	T-NPN, Si, High Vltg, Horiz. Out.	10.49
NTE2365	T-NPN,SI HORIZ OUT,TO-3P	15.03
NTE2371	MOSFET-P-Ch	8.15
NTE2379	MOSFET-N-Ch	4.85
NTE2382	MOSFET-N-Ch	5.30
NTE2385	MOSFET-N-Ch	7.25
NTE2388	MOSFET-N-Ch	8.60
NTE2389	MOSFET-N-Ch	5.45
NTE2395	MOSFET-N-Ch	5.30
NTE2396	MOSFET-N-Ch	5.55
NTE2398	MOSFET-N-Ch	4.45
NTE2501	T-NPN, Si, HV for Video Output	2.55
NTE2508	T-NPN, Si, Video Output for HDTV	1.80
NTE254	T-PNP, Si, Darlington Pwr Amp	2.95
NTE262	T-PNP, Si, Darlington Pwr Amp	3.00
NTE287	T-NPN, Si, Gen Purp	1.20

Part Number		Price per ea.
NTE289	T-NPN, Si, Audio Pwr Amp & Sw	1.50
NTE289A	T-NPN, SI-AF Power Output TO-92	1.55
NTE290	T-PNP, Si, Audio Amp & Sw	1.50
NTE290A	T-PNP, Si, Audio Amp & Sw	1.30
NTE291	T-NPN, Si, Gen Purpose Amp	3.75
NTE292	T-PNP, Si, Gen Purp Amp	3.95
NTE3041	Optoisolator, NPN Transistor	2.40
NTE3047	Optoisolator, TRIAC Output	3.50
NTE3049	Optoisolator, TRIAC	6.75
NTE3084	Optoisolator, FET Output	2.80
NTE3098	Opto-Isolator Transistor Output	2.45
NTE332	T-PNP, Si, Audio Pwr Amp, Sw	3.95
NTE373	T-NPN, Si, Audio Amp & Driver	2.25
NTE375	T-NPN, Si, Vertical Deflection,	3.30
NTE377	T-NPN, Si, Pwr Amp, Driver, Sw	3.50
NTE378	T-PNP, Si, Pwr Amp, Driver, Sw	3.75
NTE382	T-NPN, Si, Audio Driver	2.55
NTE383	T-PNP, Si, Audio Driver	2.60
NTE398	T-PNP, Si, Vertical Deflection	3.60
NTE399	T-NPN,SI-VIDEO OUTPUT, TO-92	1.95
NTE40106B	IC-CMOS, Hex Schmitt Trigger	1.50
NTE4049	IC-CMOS, Hex Buffer/Converter,	1.55
NTE4071B	IC-CMOS, Quad 2-Input, OR Gate	.96
NTE46	T-NPN, Si, Darlington,	2.25
NTE4900	Zener Diode	2.75
NTE4901	Zener Diode	6.75
NTE5015A	Zener Diode, 7.5V	.78
NTE5021A	Zener Diode, 12V, 1/2W	.87
NTE5162A	Zener Diode	2.45
NTE519	D-Si, Ultra Fast Switch, 100V P, RV	1.25
NTE5312	R-Si, Bridge, 100V, 8A	3.80
NTE5320	Bridge Rectifier	3.95
NTE5324W	Rectifier-SI, Bridge, 400V, 25A	5.20
NTE5340	Rectifier-SI, Bridge, 200V, 40A	8.50
NTE5461	SCR-50 VRM, 10A, TO-220	1.95
NTE5330	R-Si, Bridge, 600V, 6A	5.20
NTE54	T-NPN, Si, High Freq Dr	4.40
NTE5466	SCR-600V, 10A	4.95
NTE552	R-Si, General Purpose	1.60
NTE558	Rectifier-SI, 1500V, 1A	1.85
NTE5608	TRIAC-400V, 8A	3.05
NTE574	R-SI,400V, DO-41	.39

Part Number		Price per ea.
NTE575	R-SI,1000V,1A, DO-41"	.43
NTE576	RECTIFIER-SI,400V,5AMP,35NS	1.31
NTE577	R-Si, Gen Purp, Fast Recovery	4.50
NTE580	R-Si, Gen Purp, Fast Recovery	2.90
NTE5806	R-600Prv, 3A, Axial Lead	1.65
NTE585	D-Si, Schottky	1.45
NTE587	D-Si, Ultra Fast Switch	1.30
NTE588	D-Si, Ultra Fast Switch	1.95
NTE6240	R-Si. Dual, Center Tap	5.10
NTE66	MOSFET-POWER-N-CHAN, TO-220	8.21
NTE7039	IC-Linear, Vert Defl, Output	3.85
NTE7062	IC-Linear, CRT Display	6.05
NTE7081	IC-Linear, RGB Video Amp	12.75
NTE7085	IC-Linear, Vert Defl Output	5.25
NTE7086	IC-Linear, Sync Deflection Ckt	3.75
NTE7096	IC-Linear,Current Mode PWM Ctrl	3.60
NTE7408	IC-TTL, Pos AND Gate	1.30
NTE7417	IC-TTL, Hex Buffer/Driver	1.55
NTE74121	IC-TTL, Monostable Multivibrator	2.75
NTE74HC02	IC-TTL, High Speed CMOS	.65
NTE74HC08	IC-TTL, High Speed CMOS	.65
NTE74HC14	IC-TTL, High Speed CMOS	1.35
NTE74HC273	IC-TTL, High Speed CMOS	1.65
NTE778A	IC-Linear, Dual OP Amp	4.20
NTE834	IC-Linear, Low Power, Low Offset	3.20
NTE85	T-NPN, Si, Gen Purp Amp	1.05
NTE858M	IC-Linear, OP Amp	4.05
NTE928M	IC-Linear, Dual OP Amp	3.50
NTE943M	IC-Linear, Low Power, Low Offset	2.23
NTE955M	IC-Linear, Monolithic Timer	2.05
NTE956	IC-Vltg Reg, Pos Adj	3.60
NTE957	IC-Vltg Reg, Neg Adj	4.20
NTE960	IC-Vltg Reg, Pos, 5V, 1A	4.15
NTE966	IC-Vltg Reg, Pos, 12V, 1A	4.40
NTE977	IC-Vltg Reg, Pos, 5V, 100ma	2.00
NTE987	IC-Linear, Quad OP Amp	2.75

85° RADIAL ELECTROLYTIC CAPACITORS

- P.C. mount type

Part Number	Volts	MF	Price per ea.
62-0150-00	6.3	1000	.71
62-0178-00	10	220	.27
62-0198-00	10	470	.38
62-0127-00	10	1000	.42
62-0156-00	10	1500	1.45
62-0166-00	10	2200	.64
62-0186-00	10	3300	.65
62-0122-00	10	4700	.98
80-0129-00	16	10	.57
62-0083-00	16	22	.66
80-0122-00	16	47	.60
62-0088-00	16	100	1.05
62-0089-00	16	220	1.35
62-0200-00	16	330	.76
62-0409-00	16	330	.23
62-0090-00	16	470	.32
62-0001-00	16	1000	.38
62-0284-00	16	1200	1.50
62-0205-00	16	2200	4.65
80-0107-00	16	3300	4.30
62-0208-00	16	4700	8.25
62-0202-00	16	6800	6.05
62-0129-00	16	10000	4.15
62-0091-00	25	2.2	.60
62-0093-00	25	4.7	.60
62-0094-00	25	10	.62
80-0126-00	25	22	1.35
62-0096-00	25	33	.75
62-0075-00	25	47	.66
62-0138-00	25	100	.32
62-0130-00	25	220	.94
80-0117-00	25	220	.93
62-0211-00	25	330	1.60
80-0111-00	25	470	1.30
62-0157-00	25	1500	1.75
62-0123-00	25	2200	3.45
62-0187-00	25	3300	1.65
62-0112-00	25	4700	4.50
62-0153-00	25	15000	11.55
62-0101-00	35	10	1.15
62-0183-00	35	22	.21
80-0137-00	35	47	1.35
80-0193-00	35	100	3.85
80-0114-00	35	330	1.30
62-0218-00	35	470	1.55
62-0073-00	35	680	.68
80-0109-00	35	1000	2.95
80-0106-00	35	2200	3.05
62-0221-00	35	3300	6.50
62-0197-00	35	4700	3.90
62-0204-00	35	6800	7.35
62-0146-00	35	10000	16.35
62-0116-00	50	0.1	.58
62-0117-00	50	0.47	.58
62-0224-00	50	0.47	.24
80-0087-00	50	1	.41
80-0132-00	50	2.2	1.05
62-0102-00	50	3.3	.24
80-0088-00	50	3.3	.50
80-0130-00	50	4.7	.50
80-0128-00	50	10	.41
80-0103-00	50	22	.75
80-0123-00	50	47	.50
80-0118-00	50	100	.71
80-0148-00	50	220	1.45

Part Number	Volts	MF	Price per ea.
80-0113-00	50	330	1.70
62-0018-00	50	470	.94
80-0078-00	50	470	2.10
80-0108-00	50	1000	2.60
62-0114-00	50	2200	6.40
80-0101-00	60	22	1.60
62-0479-00	63	4.7	.60
62-0184-00	63	22	.18
62-0480-00	63	47	1.20
80-0120-00	63	100	.91
62-0180-00	63	220	.76
62-0193-00	63	330	.98
62-0124-00	63	1000	4.45
62-0172-00	63	2200	3.95
62-0120-00	80	4700	11.55
62-0290-00	100	1	.65
62-0227-00	100	2.2	.18
62-0481-00	100	4.7	.72
62-0155-00	100	10	.89
62-0271-00	100	22	.27
80-0102-00	100	47	.96
62-0300-00	100	100	1.95
62-0364-00	100	220	1.46
62-0233-00	100	1000	11.60
62-0237-00	160	1	.12
62-0128-00	160	1.9	.75
62-0485-00	160	2.2	.90
62-0215-00	160	3.3	.41
80-0080-00	160	4.7	.75
80-0124-00	160	10	.93
62-0214-00	160	22	.44
80-0121-00	160	33	2.40
80-0079-00	160	47	2.30
62-0276-00	160	68	2.15
80-0119-00	160	100	3.75
62-0145-00	160	150	1.65
62-0213-00	160	220	4.80
80-0115-00	160	330	5.60
62-0220-00	160	470	8.65
62-0383-00	200	47	2.15
62-0068-00	200	100	2.00
62-0425-00	200	2200	3.65
62-0380-00	200	330	4.75
62-0291-00	200	470	7.65
62-0212-00	250	2.2	.19
62-0483-00	250	3.3	1.45
80-0104-00	250	4.7	1.45
80-0127-00	250	10	1.45
62-0495-00	250	22	2.60
62-0496-00	250	33	3.55
80-0096-00	250	47	4.40
62-0484-00	250	100	3.15
62-0066-00	250	150	8.60
62-0497-00	250	220	12.95
62-0006-00	250	470	11.15
62-0339-00	400	68	3.80
62-0240-00	400	100	4.50
62-0398-00	400	470	8.85
62-0209-00	450	1	.85
62-0219-00	450	4.7	.68
62-0118-00	450	10	2.35
62-0210-00	450	100	10.20

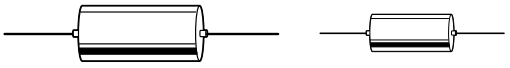
105° RADIAL ELECTROLYTIC CAPACITORS

- P.C. mount type
- -40° to +105° C

Part Number	Volts	MF	Price per ea.	L/100
62-0084-105	10	100	.32	.29
62-0183-105	10	1000	.63	.63
62-0079-105	10	1500	1.75	1.40
62-0184-105	10	1800	1.95	1.55
62-0027-105	10	2200	1.35	1.00
80-0129-105	16	10	.28	.22
62-0083-105	16	22	.31	.31
62-0150-105	16	33	.24	.21
80-0122-105	16	47	.25	.21
80-1159-105	16	220	.71	.62
62-0420-105	16	270	1.65	1.30
80-1162-105	16	330	.46	.35
80-1163-105	16	470	.32	.32
80-1160-105	16	1000	.53	.44
62-0185-105	16	1500	1.70	1.35
80-1161-105	16	2200	.94	.65
62-0416-105	16	3300	1.50	1.20
62-0115-105	25	4.7	.24	.24
62-0094-105	25	10	.47	.37
62-0110-105	25	22	.20	.16
62-0075-105	25	47	.42	.40
62-0097-105	25	100	.46	.42
62-0156-105	25	150	1.60	1.50
80-0117-105	25	220	.57	.53
62-0403-105	25	270	2.00	1.55
80-0111-105	25	470	.40	.29
62-0107-105	25	820	2.75	2.20
80-0110-105	25	1000	.59	.55
62-0178-105	25	2200	1.45	1.15
62-0013-105	25	2500	1.65	1.35
62-0196-105	25	6800	13.75	10.70
62-0377-105	25	22000	14.90	11.60
62-0005-105	35	10	.15	.14
80-1165-105	35	22	.42	.35
62-0328-00	35	33	.27	.27
80-1166-105	35	47	.42	.35
80-0193-105	35	100	.23	.19
62-0467-105	35	150	.77	.75
62-0130-105	35	220	.33	.25
62-0413-105	35	220	2.60	2.05
62-0125-105	35	330	.63	.53
62-0218-105	35	470	.52	.37
62-0327-00	35	560	1.25	1.15
62-0181-105	35	680	1.25	.91
80-0109-105	35	1000	.58	.58
80-0106-105	35	2200	2.20	2.10
80-1224-105	35	4700	5.75	5.45
62-0378-105	35	15000	13.60	10.60
62-0116-105	50	0.1	.39	.32
62-0117-105	50	0.47	.39	.32
80-0087-105	50	1	.35	.31
80-0132-105	50	2.2	.18	.15
62-0109-105	50	3.3	.36	.31
80-0130-105	50	4.7	.62	.44
80-0128-105	50	10	.35	.30
62-0018-105	50	22	.27	.20
62-0169-00	50	33	.19	.16
80-0123-105	50	47	.25	.20
80-1167-105	50	100	.25	.20
80-0148-105	50	220	.42	.37

Part Number	Volts	MF	Price per ea.	L/100
62-0375-105	50	470	.66	.53
62-0468-105	50	1000	1.55	1.45
62-0114-105	50	2200	2.20	2.10
62-0390-105	50	4700	5.05	4.00
62-0188-105	63	0.47	1.20	.88
62-0189-105	63	1	1.35	.97
62-0176-00	63	4.7	.41	.33
62-0144-105	63	10	.39	.32
62-0078-105	63	22	.16	.16
62-0174-00	63	47	.26	.21
80-0120-105	63	100	.34	.30
62-0077-105	63	220	1.30	1.10
62-0391-105	63	330	.79	.62
62-0376-105	63	470	1.45	1.15
62-0290-105	100	1	.89	.77
62-0293-00	100	3.3	.60	.43
62-0155-105	100	10	.22	.18
80-1168-105	100	22	.42	.31
62-0151-105	100	33	.50	.40
80-0102-105	100	47	.64	.57
62-0300-105	100	100	.69	.63
62-0152-105	100	220	2.35	1.85
62-0393-105	160	0.22	6.30	4.85
62-0128-105	160	1	.46	.40
62-0010-105	160	10	.39	.31
62-0482-105	160	22	.60	.49
80-0121-105	160	33	1.35	1.20
80-0079-105	160	47	1.25	1.05
62-0129-105	160	100	1.55	1.10
62-0164-00	160	150	3.15	2.65
62-0366-105	160	220	2.65	2.10
62-0177-00	160	470	3.25	3.25
62-0161-00	200	22	.62	.48
62-0028-105	200	33	1.65	1.30
62-0186-105	200	47	2.80	2.25
62-0076-105	200	82	4.55	3.65
62-0104-00	200	100	2.40	2.15
62-0469-105	200	220	3.15	2.85
62-0190-105	200	470	7.20	7.20
80-0105-105	250	1	.45	.35
80-1222-105	250	2.2	.33	.32
80-0104-105	250	4.7	.62	.53
62-0158-105	250	10	.27	.27
62-0159-105	250	22	.65	.65
62-0168-00	250	33	.96	.73
80-0096-105	250	47	1.80	1.30
62-0068-105	250	100	2.45	2.00
62-0066-105	250	150	12.50	9.75
62-0402-105	250	200	3.85	3.85
62-0470-105	250	470	6.75	6.30
62-0166-105	350	4.7	.84	.76
62-0193-105	350	22	2.75	2.20
62-0197-105	400	2.2	1.35	1.00
62-0180-105	400	68	8.00	6.30
62-0500-105	400	220	9.05	8.45
62-0179-105	400	270	18.50	14.50
62-0401-105	400	330	10.40	8.10
80-1169-105	450	2.2	.66	.57
62-0045-105	450	3.3	1.65	1.30
62-0372-105	450	180	15.60	12.15
62-0105-105	450	220	12.15	9.50
62-0471-105	450	330	8.50	7.80

AXIAL ELECTROLYTIC CAPACITORS

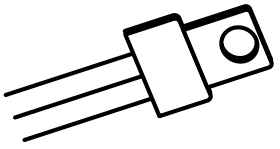


Part Number	Volts	MF	Price per ea.
62-0238-00	15	1000	2.85
80-0089-00	16	470	.44
63-0112-00	16	2200	5.00
62-0049-00	25	47	.35
63-0113-00	25	100	1.45
62-0072-00	25	220	.72
63-0480-00	25	470	2.60
63-0116-00	25	1000	3.85
63-0238-00	25	4700	9.65
63-0114-00	35	10	.34
62-0255-00	35	220	.45
63-0110-00	35	220	.91
62-0256-00	35	330	.59
63-0119-00	35	330	1.00
63-0117-00	35	470	.90
80-0133-00	50	470	1.05
62-0266-00	50	4700	4.40
63-0491-00	200 vdc	270	9.55
63-0121-00	250	2.2	.83
62-0079-00	450	10	4.10

CAPACITORS

Part Number	Type	Volts	MF	Price per ea.
62-0120-00	WVDC	80	4700	11.55
62-0541-00	Tantlum	35	1.0	2.10
62-0542-00	Tantlum	35	.68	2.20
62-0546-00	Ceramic	1KV	560PFD	1.30
62-0550-00	BIPO	50	1	.89

TRIACS



Part Number		Price per ea.
65-0237-00	2N6071A	3.15
65-0235-00	MAC15-6N	4.05
65-0236-00	S-4015L	3.40

RESISTOR PACKAGES

SIP

Part Number	Ohms		Price per ea.
66-0280-00	330-4	RESISTOR NETWORK, 8-Pin SIP	.46
66-0281-00	470-7	RESISTOR NETWORK, 8-Pin SIP	.46
66-0282-00	510-4	RESISTOR NETWORK, 8-Pin SIP	.46

DIODES

Part Number		Price per ea.
68-0453-00	1N4003	.28
10D-N4004-00	1N4004	.18
68-0455-00	1N4005	.36
68-0456-00	1N4148	.24
68-0467-00	1N4742A	1.35
68-0470-00	IN4937	.14
68-0458-00	1N5236B	.72
68-0459-00	1N5242B	.57
68-0468-00	1N5349A	1.95
68-0461-00	1N5349B	4.15
68-0463-00	1N5401	1.20
68-0471-00	IN5954B	2.10
68-0451-00	1N914B	.47

TRANSISTORS

Part Number		Price per ea.
67-0407-00	2N3904	.60
67-0409-00	2N3906	.60
67-0419-00	2SC2344	1.35
67-0417-00	2SC3040	7.30
67-0601-00	2SC3782	4.25
67-0398-00	2SD871	11.25
67-0402-00	KN2222	.46
67-0400-00	MPSA42	.60
67-0401-00	MPSA92	.60
67-0403-00	PN2907A	1.05
67-0406-00	TIP125	2.35
67-0399-00	VN0104N3/FET	2.25

LIGHT EMITTING DIODES

Part Number		Price per ea.
68-0560-00	Red	.54
68-0561-00	Green	.54
68-0562-00	Yellow	.54

1/2 WATT RESISTORS

- 5% Carbon Film
- Minimum Order: 10 of any one value

Part Number	Ohms	Price per ea.
66-0249-00	1.2	.18
66-0245-00	3.3	.18
66-0250-00	4.7	.18
66-0274-00	27	.18
66-0244-00	33	.18
66-0251-00	68	.18
66-0247-00	100	.18
66-0252-00	150	.18
66-0253-00	200	.18
66-0254-00	220	.18
66-0255-00	240	.66
66-0256-00	270	.18
66-0257-00	470	.18
66-0258-00	510	.18
66-0246-00	680	.18
66-0259-00	1.0K	.18
66-0275-00	1.2K	.18
66-0260-00	1.3K	.18
66-0261-00	1.5K	.18
66-0262-00	2.1K	.28
66-0263-00	2.2K	.18
66-0265-00	4.7K	.18
66-0266-00	5.1K	.18
66-0267-00	10K	.18
66-0268-00	22K	.18
66-0269-00	33K	.18
66-0276-00	39K	.22
66-0271-00	100K	.18
66-0272-00	220K	.36

1 WATT RESISTORS

- 5% Carbon Film
- Minimum Order: 10 of any one value

Part Number	Ohms	Price per ea.
66-0351-00	1.2	.23
66-0358-00	75	.46
66-0352-00	270	.23
66-0357-00	680	.29
66-0353-00	1.0K	.49
66-0356-00	2.0K	.23
66-0355-00	6.8K	.23
66-0354-00	33.0	.29

2 WATT RESISTORS

- 5% Carbon Film
- Minimum Order: 10 of any one value

Part Number	Ohms	Price per ea.
66-0359-00	50	.24
66-0363-00	150	.42
66-0360-00	510	.18
66-0347-00	2400	.95
66-0365-00	100K	1.05

1/4 WATT RESISTORS

- 5% Carbon Film
- Minimum Order: 10 of any one value

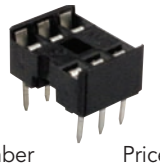
Part Number	Ohms	Price per ea.
66-0290-00	1.0	.18
66-0290-10	2.2	.40
66-0291-00	3.0	.18
66-0300-00	4.7	.18
66-0292-00	5.6	.18
66-0301-00	10	.18
66-0302-00	33	.18
66-0303-00	47	.18
66-0304-00	68	.18
66-0305-00	100	.18
66-0348-00	120	.18
66-0298-00	150	.18
66-0306-00	180	.18
66-0307-00	220	.18
66-0309-00	300	.18
66-0310-00	330	.18
66-0311-00	470	.18
66-0315-00	1.0K	.18
66-0316-00	1.5K	.18
66-0316-10	1.8K	.23
66-0316-20	2.0K	.18
66-0317-00	2.2K	.18
66-0318-00	2.7K	.66
66-0319-00	3.0K	.18
66-0319-10	3.3K	.18
66-0320-00	3.9K	.18
66-0321-00	4.7K	.18
66-0322-00	6.8K	.40
66-0325-00	10K	.18
66-0326-00	12K	.49
66-0327-00	15K	.18
66-0329-00	20K	.18
66-0331-00	27K	.18
66-0332-00	33K	.18
66-0333-00	47K	.18
66-0334-00	51K	.18
66-0335-00	56K	.18
66-0336-00	68K	.18
66-0337-00	100K	.18
66-0338-00	180K	.18
66-0339-00	220K	.18
66-0342-00	470K	.18
66-0344-00	680K	.24
66-0344-10	1 Mg	.18

INTEGRATED CIRCUITS

Part Number		Price per ea.
60-0501-00	7406	.85
60-0042-00	7812	2.15
60-0471-00	24C04	2.85
60-0506-00	27C1000DC (1 Meg)	12.15
60-0493-00	27C256	6.35
60-0504-00	27C4000DC (4 Meg)	7.55
60-0120-00	27C512 (1/2 Meg)	5.65
60-0133-00	27C64	7.30
60-0507-00	27C2000DC (2 Meg)	8.00
60-0036-00	4049UB	1.40
60-0489-00	6264-10 8KX8	8.79
60-0071-00	6N137	1.75
60-0074-00	6N139	3.30
60-0027-00	74C14	1.85
60-0075-00	74HC00	.91
60-0028-00	74HC02	.53
60-0029-00	74HC04	1.12
60-0102-00	74HC05	1.35
60-0076-00	74HC08	.24
60-0078-00	74HC126	1.65
60-0030-00	74HC138	1.85
60-0079-00	74HC14	.26
60-0080-00	74HC161	1.35
60-0103-00	74HC165	2.15
60-0082-00	74HC174	.93
60-0083-00	74HC20	1.55
60-0111-00	74HC244	.34
60-0487-00	74HC245	.46
60-0108-00	74HC273	1.70
60-0085-00	74HC32	.91
60-0484-00	74HC367	1.80
60-0031-00	74HC373	3.05
60-0106-00	74HC374	1.65
60-0087-00	74HC574	1.70
60-0088-00	74HC74	.72
60-0492-00	74HCT244	1.20
80-0288-00	74LS00	.84

Part Number		Price per ea.
60-0065-00	74LS138	.83
60-0018-00	74LS139	1.20
60-0013-00	74LS14	1.30
80-0286-00	74LS174	1.20
60-0020-00	74LS221	2.15
60-0499-00	74LS244	1.20
60-0021-00	74LS245	2.25
60-0024-00	74LS259	3.20
80-0179-00	74LS273	1.05
60-0032-00	74LS374	1.50
60-0503-00	74LS541	.54
49-1310-00	74LS86	4.05
60-0055-00	8T28	5.55
60-0505-00	93C46	2.60
60-0508-00	AM-29F010-120PC	7.85
80-0295-00	CD4511BE	2.50
60-0093-00	H11A1	.87
60-0125-00	ILD-2	3.85
60-0124-00	ILQ-1	6.35
60-0123-00	ILQ-2	6.35
60-0474-00	LA7836	7.95
60-0073-00	LM317T	2.75
60-0046-00	LM324	1.85
60-0057-00	LM339	1.65
60-0049-00	LM340T-5	2.15
60-0047-00	LM393	1.40
60-0063-00	MC14020	2.85
60-0061-00	MC1458CPI	5.05
60-0116-00	MC68681	6.70
60-0056-00	MOC3010	.97
60-0060-00	MOC3031	2.05
80-0291-00	MPTE12	4.05
60-0053-00	NE556	1.10
60-0112-00	TDA2002	11.35
60-0054-00	ULN2002	2.00
60-0059-00	ULN2068B	6.05

INTEGRATED CIRCUIT SOCKETS



- Low profile

Part Number		Price per ea.
61-0006-00	6 Pin	.46
43-0926-00	8 Pin	.56
61-0014-00	14 Pin	.65
61-0016-00	16 Pin	.61
61-0018-00	18 Pin	.79
61-0020-00	20 Pin	.85

Part Number		Price per ea.
61-0022-00	22 Pin	.97
61-0024-00	24 Pin	1.05
61-0028-00	28 Pin	1.35
61-0029-00	32 Pin	1.35
43-0927-00	40 Pin	2.80

40 PIN GROUNDED DIP EXTRACTOR

- Instant and accurate extraction
- Simply place the tool on the socket and depress the plunger
- Conductive finish with ground strap connection point

Part Number		Price per ea.
92-0253-00	40 Pin Grounded Dip Extractor	25.40

UNIVERSAL PLCC EXTRACTION TOOL

- Extracts a range of PLCC sizes from 18 pins through 124 pins from any socket without damage to the chip
- Ideal for removal of Eproms for MEI & CashCode bill validators
- Spring loaded one-hand design requires no pulling
- Simply insert into socket, squeeze handles and chip is lifted from the socket
- ABS handles and stamped steel for reliability

Part Number		Price per ea.
92-0267-00	Universal PLCC Extraction Tool	16.30

I.C. EXTRACTION TOOL

- Used to safely lift up I.C.'s for replacement

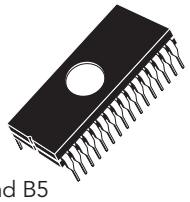
Part Number		Price per ea.
92-0022-00	I.C. Extraction Tool	6.20

EPROM REMOVER

- Bostitch G2K staple remover easily removes EPROMs
- Attractive chrome finish
- Size: 8-1/2" H x 3/4" L x 1-3/4" W

Part Number		Price per ea.
92-1567-00	EPROM Remover	3.55

4 MEG BLANK CERAMIC EPROM



- Quality ST Microelectronics brand
- 80 nanosecond programmable EPROM
- 4 Mbit (512Kb x 8)
- M27C4001-80XF1 UV erasable
- Shipped in anti-static tubes
- Sold in lots of 12, min order 12
- Also used in JCM DBV-200 heads: B1, A3 and B5
- Stock up today so you are ready for the Next Gen currency updates
- **New** factory sealed blank EPROM for use in JCM WBA-13 and WBA-23 bill validators

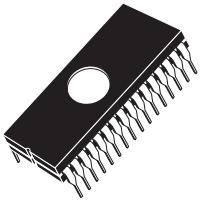
Part Number		Price per ea.
60-0256-00	4 Meg Blank Ceramic EPROM	6.50

GANGPRO-848 48-PIN GANG PROGRAMMER

- Programs 8 Devices pin-to-pin on the same DIP sockets
- Fast Production Programming of Flash memory
- Concurrent Programming! Read and verify all 8 devices at the same time!
- Universal Gang also supports Micro controllers and Logic
- Supports MS Windows 95/98/Me/2000/XPTM devices
- 4000+ Devices supported and growing
- Concurrent Programming,simultaneous read or write!
- PC Software runs on Win 9X/ME/2000/NT/XPTM
- Auto Run mode starts programming automatically upon detection of chip insertion
- Gang E/EPROM, Flash, Micros, EPLDs, CPLDs
- Supports down to 1.8 Volt parts
- Each Socket is 48 Pin independent
- Ultra High programming speed programs 28F8000 in less than 12 seconds
- Stand alone or remote operation
- Device Insertion and Pin Contact Check
- Software updates via internet, Free one year support
- Power: Input 110VAC-240VAC
  Cable to PC: DB-25
- Size: 530x 310x 210 mm (1 inch=25.4 mm)
  Weight: 6Kg (1Kg = 2.5 lb)
- One Year Warranty

Part Number		Price per ea.
92-1387-00	GangPro-848 Gang Programmer	4197.15

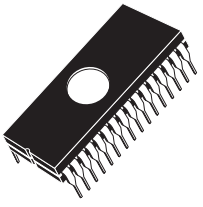
512K BLANK CERAMIC EPROM



- **New** factory sealed blank EPROM for use in JCM DBV-145 and DBV-45 bill validators
- Quality STMicroelectronics brand
- 90 nanosecond programmable EPROM
- 512 Kbit (64Kb x 8)
- M27C512-90F1 UV erasable
- Stock up today so you are ready for the Next Gen currency updates
- Shipped in anti-static tubes
- Sold in lots of 13, min order 13

Part Number		Price per ea.
60-0257-00	512K Blank Ceramic EPROM	1.85

1 MEG BLANK CERAMIC EPROM



- **New** factory sealed blank EPROM for use in JCM WBA-11 and WBA-21 bill validators
- Quality STMicroelectronics brand
- 70 nanosecond programmable EPROM
- 1Mbit (128Kb x 8)
- M27C1001-70F1 UV erasable
- Stock up today so you are ready for the Next Gen currency updates
- Shipped in anti-static tubes
- Sold in lots of 12, min order 12

Part Number		Price per ea.
60-0258-00	1 Meg Blank Ceramic EPROM	3.10

ANTI-STATIC WRIST STRAP

NEW

- Prevent damaging static discharge while working on static-sensitive equipment
- Works continuously, discharging electricity harmlessly as its generated
- Includes a 5' grounding cord attachment
- A "must-have" for any technician

Part Number		Price per ea.
92-1338-00	Anti-Static Wrist Strap	9.95

ANTI-STATIC PRECISION TOOL KIT

- Contains all 9 anti-static alignment tools
- Wide range of tip styles and sizes for adjusting or aligning any conventional component
- Includes pocket storage case
- Kit includes adjustment driver, combination aligner, duplex aligner, small hex/driver, hex/tip tool, mini-potentiometer/trimmer, double-ended hex, 3-in-1 hex core tool and square/hex tool

Part Number		Price per ea.
92-0562-00	Anti-Static Precision Tool Kit	12.35

ESD FIELD SERVICE KIT

- Compact and easily transportable
- Folds to 8-1/2" for travel
- 26" X 24" conductive mat with pocket along bottom
- 6 ft. ESD strap
- 10 ft. cord to ground

Part Number		Price per ea.
92-0888-00	ESD Field Service Kit	39.95

ZERO CHARGE® SCREEN & KEYBOARD CLEANER

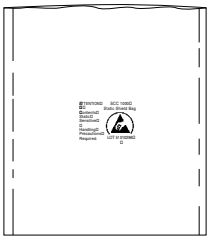
- Eliminates static charge from sensitive surfaces and provides long-term static protection
- For optical clarity and distortion free reading
- Removes hand oils, ink marks, dust, fingerprints, nicotine, syrup, carbon and other soils
- Safe on plastic, ceramics, glass, metal and elastomers
- Non-streaking
- Non-ozone depleting
- Sold in boxes of 50
- 50 pre-saturated packets per box; 10 boxes per case

TECHSPRAY™

Part Number		Price per box
29-0059-00	Zero Charge® Screen & Keyboard Cleaner	28.20

STATIC SHIELD BAGS

- Prevents incoming static charges from damaging ESD sensitive products
- Metal "Faraday" Cage layer protects products from electric energy inside and prevents static build-up
- Meets requirements of MIL-B-81705 Rev. C, Type III and EIA Standard 541
- Minimum order 10



Part Number		Inside W x L	Price per ea.
39-0810-AS	Static Shield Bag	8" x 10"	1.90

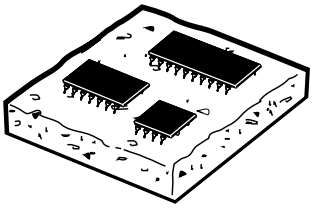
PROFESSIONAL ADJUSTABLE WRIST STRAP KIT

- Static protection helps eliminate damage to electronic devices
- Elastic material-extra wide and soft for comfort and has silver impregnated nylon knitted on inside for super conductivity
- Adjustable-Can be fitted to any size. Once adjusted and locked, the material will not slip
- Adjustable design eliminates exposed conductive "tail"
- Stainless steel stud
- No sloughing-safe for micro electronics
- Non-allergenic stainless steel
- Kit includes: 10 ft. coil cord, 4MM snap stud and alligator clip

Part Number		Price per ea.
80-0308-00	Professional Adjustable Wrist Strap Kit	22.40

ANTI-STATIC FOAM

- Keep your electronic repair parts safe and handy.
- Protects delicate IC leads during shipping and storage.
- Protects against ESD "Static-Zap" damage
- Great for storing and transporting semiconductors
- Simply insert component into foam to keep leads from damage
- Pink anti-static foam squares 2" square X .25" thick
- Black anti-static foam sheets 36" x 30" x 5/16" Thick – use to line drawers



Part Number		Price per ea.
39-0059-00	Pink Anti-Static Foam Squares 2" Square x .25" Thick	.32
39-0059-10	Black Anti-Static Foam Sheets 36" x 30" x 5/16" Thick	53.60

ECONOMY 40 PIECE METRIC AND S.A.E. SOCKET SET

- Set contains:
  3/8" drive ratchet
  3/8" drive 3" extension
  3/8" drive (F) to 1/4" drive (M) adapter
  3/8" drive ratchet spin disk
  3/8" drive sockets S.A.E. 5/8", 11/16"
  3/8" drive sockets metric 14, 16mm
  1/4" drive sockets S.A.E. 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 13/32", 7/16", 15/32", 1/2", 17/32", 9/16"
  1/4" drive 6 point sockets metric 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 9, 10, 11, 12, and 13mm
  1/4" drive 8 point sockets S.A.E. 1/4", 5/16", 3/8"

Part Number		Price per ea.
92-0109-00	Economy 40 Piece Metric and S.A.E. Socket Set	16.95

CRESCENT 170 PIECE TOOL SET

NEW

- Contains all the tools needed for most industrial applications, including 1/4", 3/8", and 1/2" quick-release ratcheting drives, with a wide selection of standard and deep sockets in the most common SAE and metric sizes
- Features 72-tooth ratchet drives for a 5° swing that's perfect in tight spaces
- 3/8" drive 12-point sockets to increase fastener contact area for maximum torque
- Durable storage cases have raised-letter ID for each tool location, so they'll stay organized, plus tools lock securely in place, a true benefit for work vehicles or other places where tools get knocked around
- All tools in this set meet stringent new ANSI and ASME specifications
- Ratcheting drives and sockets are chrome Vanadium for maximum strength
- Pliers are made of chrome nickel alloy steel providing rust resistance and strength with hardened cutting edge for durability
- Wrenches heat-treated for maximum strength with chrome plated finish
- All tools in this set meet stringent new ANSI and ASME specifications
- Set Includes:
  (3) Drivers (1/4", 3/8", 1/2")
  (4) Extenders,
  (1) 3/8" TO 1/4" DRIVE ADAPTER
  (22) 1/4" Sockets
  (12) Deep/24 Sockets) 3/8" Sockets
  (10) 1/2" Sockets
  (2) Spark Plug Sockets 5/8 & 13/16
  (1) 8" Adjustable,
  (1)10" T&G,
  (1) 8" Long Nose Pliers
  (1) Magnetic Bit Driver and (40) Bits, (4) plastic holders
  (4) Mag Screwdrivers,
  (24) Hex Keys (SAE/Metric), (2) plastic holders
  (12) Combination wrenches
  (5/16",3/8",7/16",1/2",9/16",5/8",8MM,10MM,12MM,13MM,14MM, 15MM)

Crescent®

Part Number		Price per ea.
92-2742-00	Crescent 170 Piece Tool Set	115.95

XCELITE® SERIES 99® 23-PIECE ROLL KIT

- Versatile 23-piece set of quality tools
- Provides a variety of quick change tools and tool combinations to speed up assembly and service work
- All Blades are high quality steel, hardened and tempered for optimum performance
- Plastic handles have patented spring device that holds blades firmly, yet permits quick, easy insertion and removal
- Regular handles accommodate all blades, single and reversible
- Stubby, Tee and Ratchet handles used only with single-end blades
- Xcelite Ref# 99SM
- Durable roll-up plastic coated canvas case

Xcelite

Kit Includes:
(1) 5" Diagonal cushion grip pliers, (1) 6" Long nose cushion grip pliers, (1) 8" Cushion grip adjustable wrench, (1) Nut driver handle, (1) Stubby handle, (9) Nutdrivers, (3) Stubby nutdrivers, (2) Phillips screwdrivers, (2) Slotted screwdrivers, (1) Reamer, (1) Extension tool

Part Number		Price per ea.
92-1009-00	Xcelite® Series 99® 23-Piece Roll Kit	205.60

GATOR GRIP® UNIVERSAL SOCKET KIT

The amazing Gator Grip® makes half of your toolbox obsolete! This one socket fits fasteners of almost any shape. No longer waste time searching for socket after socket, when one socket can do the work of a whole set. The Gator Grip won't slip off nuts or strip them.

Save time and hassles, get the job done fast!

QUALITY MADE IN THE U.S.A.

GATOR-GRIP UNIVERSAL SOCKET

AS SEEN ON TV

- As seen on TV
- Instantly fits over 1000 fasteners
- Always the right size socket
- One socket for both standard & metric
- Removes rusted & damaged nuts & bolts
- Unique round design won't damage fasteners
- Pins instantly adjust to grip any shape, no adjustments needed
- Even fits screw eyes, hooks, wing nuts and square nuts
- Superior grip, each hardened steel pin features it's own spring to provide a precision fit
- Save time and effort
- Made in USA
- 1 year manufacturer warranty

Kit Includes:
(1) Gator Grip® Universal Socket, Fits 1/4" - 3/8" & 7mm - 19mm
(1) 3/8" Drive Reversible Ratchet Wrench
(1) High Speed Drill Adapter

Part Number		Price per ea.
92-0305-00	Gator Grip Universal Socket Kit	19.99

PROFESSIONAL ELECTRONIC TOOL KIT

- 13 Assorted screwdrivers
- 6 Assorted precision screwdrivers
- Brush
- Mini-drill set
- Utility knife
- IC extractor
- Vice
- Electrical tape
- Flashlight
- Anti-static strap
- Assorted pliers
- Digital multimeter
- Solder
- 6" stainless scissors
- Folding hex wrench
- 8" lineman's pliers
- 6" tweezers
- Mini-vacuum cleaner
- Desoldering pump
- 6" adjustable wrench
- All-in-one crimper
- Soldering iron & stand
- Voltage test screwdriver
- Components box
- 5 pc. file set
- Removable pallets
- 10 pc. mini-wrench set
- Tool carrying case

Part Number		Price per ea.
92-0345-00	Professional Electronic Tool Kit	266.67

100 PIECE SCREWDRIVER BIT SET

NEW

- Indispensable when working on: cars, machinery, household appliances, electric & electronic devices

Part Number		Price per ea.
92-2346-00	100-pc Screwdriver Bit Set	14.95

39 PIECE DURA-DRIVER RATCHET DRIVER MECHANICS KIT

- Hidden interchangeable bit storage keeps bits handy and secure
- 3 position High Torque Ratchet
- No slip grip stops slippage for higher torque
- S2 Industrial Steel bits resist wear and breakage
- Chrome Vanadium socket with true fit hex design, prevent rounding and stripping of nuts and bolts
- Ergonomic handle
- Crescent ref. no. SDMBR1

Crescent®

Kit Contains:
Dura-Driver Ratchet Screwdriver with 3 positions
9 Fractional sockets: 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2"
9 Metric Sockets: 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm,
18 Screwdriver Bits: #1 Phillips, #2 Phillips, #3 Phillips, 3/16"
Slotted, 5/32" Slotted, 1/4" Slotted, #1 Square Recess, #2 Square Recess,
#3 Square Recess, #10 Torx, #15 Torx, #20 Torx, #25 Torx, #30 Torx, #40 Torx, 5/32" Hex,
3/16" Hex, 1/4" Hex 2 Socket Adapters: 1", 2"

Part Number		Price per ea.
92-0358-00	39 Piece Dura-Driver Ratchet Driver Mechanics Kit	27.99

PLATT MECHANICS TOOL BAG

- Black Cordura fabric
- Water-repellent and very durable
- 8 sewn-in pockets on the inside and 2 snap pouches on the outside
- Compact utility bag will keep your tools and parts organized
- 12" L x 6" W x 6-1/2" D

platt

Part Number		Price per ea.
92-0348-00	Platt Mechanics Tool Bag	29.99

PLATT SUPER-SIZE™ TOOL CASE WITH WHEELS AND TELESCOPING HANDLE

- High-tech rugged ribbed case in a larger size
- Black valance with all black hardware, combination lock, cast key locks
- Full-length piano hinge, stitched vinyl steel-core handle
- Ball-bearing wheels
- Telescoping handle
- Comes standard with SG and SH super-size pallets
- Manufactured by Platt, Ref # 369THY-SGSH
- Color: Yellow
- Inside Dimensions: 17-1/2" L x 14-5/8" W x 9" D
- Tools not included

platt

Part Number		Price per ea.
92-1329-00	Platt Super-Size Tool Case	295.42

PLATT 6" DELUXE POLYPROPYLENE TOOL CASE

- Injection molded polyethylene shell
- Extruded aluminum frame with black trim
- Golf grip handle
- Cast chrome key locks and full length piano hinge
- Interior has two molded pallets and deluxe literature pocket
- 18" L x 13" W x 6" D
- Made in USA

platt

Part Number		Price per ea.
92-800T-CB	Platt 6" Deluxe Tool Case	159.99

MIDGET SLIP JOINT PLIERS

- Miniature pliers with narrow jaws
- 3-jaw opening adjustment to 1/2"
- Red plastic-coated cushion grip
- 5" overall length
- Ref. No. 50CGV

Xcelite

Part Number		Price per ea.
92-0093-00	Midget Slip Joint Pliers	20.04

CRESCENT TONGUE & GROOVE PLIERS

- Precision-milled ribs assure smooth, positive interlock between two halves with no chance of halves separating or jumping out of grooves
- Designed to grip all shapes
- Crescent Ref # R27CV - 7"
- Straight jaws and self-locking jaw adjustment
- Forged, hardened and tempered
- Red non-slip cushion handle grips
- Made from finest quality tool steel

Crescent®

Part Number		Price per ea.
92-1012-00	Crescent 7" Tongue & Groove Pliers	14.95

ADJUSTABLE WRENCH

- Rugged construction
- Quick, one-hand adjustment
- Chrome plated, polished heads
- Red cushion grip handle

Xcelite

Part Number		Ref. No.	Price per ea.
92-0092-00	6" Adjustable Wrench	46CGV	22.14
92-0311-00	4" Adjustable Wrench	44CGV	22.52

8" CRIMPING TOOL/WIRE STRIPPER/ BOLT CUTTER

- Crimps 22-18, 16-14, & 12-10 AWG terminals and connectors
- Color-coded crimp teeth for fast and accurate crimping
- AWG numbered wire stripper for 10, 12, 14, 16, 18, & 20-22 gauge wire
- Bolt cutter for 8-32, 10-24, 10-32, 6-32, & 4-40 threads
- An affordable, 4-way crimping/stripping tool
- Length: 8"

Part Number		Price per ea.
92-0274-00	8" Crimping Tool	7.30

CRIMPING/WIRE STRIPPER/BOLT CUTTING HAND TOOL

- Ideal for prototype work, small production volumes and repair jobs
- Clean cutting wire cutter
- Wire Stripper for 10,12, 14, 16, 18, and 20 gauge wire
- Bolt Cutter for 8-32, 10-24,10-32, 6-32, and 4-40 threads
- Crimping tool for .062" & .093" pins (terminals)

Part Number		Price per ea.
11-03-0004	Handling Crimping/Wire Stripper	22.00

SARGEANTS CRIMPING TOOL

- For crimping comparitor JST terminals, Molex pins and .100 & .156 center edge connectors
- Ref. No. 1028CT

Part Number		Price per ea.
92-0032-00	Crimping Tool	33.99

WIRE STRIPPER & CUTTER

- Cuts and strips both solid and stranded wire
- Adjustable screw stop for different wire sizes
- Hardened with ground blades
- Red plastic-coated cushion grip
- 5" overall length
- Ref. No. 100X

Xcelite

Part Number		Price per ea.
92-0086-00	Wire Stripper & Cutter	9.28

ELECTRICAL PLIERS

- Wire cutting and stripping edges located in front of pivot for use in tight places
- Needle nose pliers add wire pulling and bending capabilities
- Scissors-action stripper insulated for cleaner, faster, more accurate stripping
- Serrated edge
- Red cushion grip handle
- 6" overall length
- Ref. No. 105CGV

Xcelite

Part Number		Price per ea.
92-0082-00	Electrical Pliers	17.07

CAT 5 CABLE JACKET STRIPPER

- Designed for Cat 5/5E cables only
- Will not knick inner conductors
- Long life blade
- Length: 3.5", weight: 23 grams
- Durable high impact plastic housing
- Easy to use, no adjustments necessary
- Molded from yellow plastic to make it easier to find. No more lost tools!

Part Number		Price per ea.
92-0613-00	Cat 5 Cable Jacket Stripper	13.35

DIAGONAL LONG NEEDLE NOSE PLIERS

For general purpose use
- 1-3/16" thin long nose
- Serrated jaws
- For pick-up and wire forming
- 5" overall length
- Ref. No. LN54

Diamond®/Xcelite®

Part Number		Price per ea.
92-0105-00	Diagonal Long Needle Nose Pliers	19.10

SUBMINIATURE NEEDLE NOSE PLIERS

- Positive gripping of fine wire or subminiature components
- Serrated jaws
- Fine point allows use in confined areas
- Green cushion grips
- 4" overall length
- Ref. No. L4-V

Xcelite

Part Number		Price per ea.
92-0089-00	Subminiature Needle Nose Pliers	18.34

LONG NOSE NEEDLE NOSE PLIERS

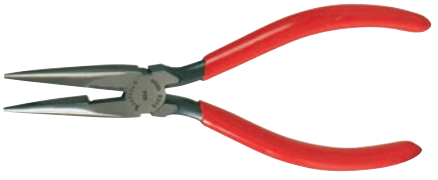
- Extra long nose
- Allow entry to hard to reach areas
- 6" overall length
- Ref. No. NN7776

Xcelite

Part Number		Price per ea.
92-0098-00	Long Nose Needle Nose Pliers	22.76

LONG NOSE PLIERS WITH SIDE CUTTERS

- For firm gripping and looping of wire
- 6" overall length
- Ref. No. 51CGV
- Serrated jaw
- Forged alloy steel construction
- Available with or without side cutters
- Side cutters for cutting 20 gauge soft copper wire
- Red plastic-coated cushion grip



Xcelite

Part Number		Price per ea.
92-0208-00	Long Nose Pliers with Side Cutters	24.78

ELECTRONIC SHEAR

- Low profile, general purpose cutter
- Superior blade by-pass shear cutting action
- Better cuts with half the effort
- Greatly reduced mechanical shock delivered to the work
- Light blue grips
- 5" overall length
- Ref. No. 170M

Xcelite

Part Number		Price per ea.
92-0087-00	Electronic Shear	7.49

SLIM LINE TAPERED HEAD CUTTER

- Slim line tapered head
- Diagonal cutting pliers
- Flush cutting
- Blue puffy grips
- 4" overall length
- Ref. No. MS54-5J

Xcelite

Part Number		Price per ea.
92-0121-00	Slim Line Tapered Head Cutter	19.58

5" NARROW DIAGONAL CUTTING PLIERS

- Narrow jaws work easily in confined areas
- Great for cutting cable ties on money bags
- Useful for all general purpose electric and electronic work
- Induction hardened cutting edges
- Overall length: 5"

Part Number		Price per ea.
92-0336-00	5" Narrow Diagonal Cutting Pliers	5.50

LAMP EXTRACTOR TOOL

- Used to remove or insert minature lamps with bayonet –type bases
- Firmly and gently grasp lamps from panels and switchboards
- Includes return spring for fast lamp insertion and removal
- Grasp limited to 5/16" to prevent shorts
- Tool size: 4"

Part Number		Price per ea.
92-1763-00	Lamp Extractor Tool	16.39

MOLEX PIN EXTRACTOR TOOLS

- Spring-loaded tool to allow easy removal of Molex pins from connector
- A must for every toolbox
- For servicing of Molex connectors

11-03-0003 11-03-0006 92-0039-00

Part Number	Description	Molex Ref. No	Price per ea.
11-03-0006	Molex Extractor Tool for .093" Pins	11-03-0006	21.25
11-03-0002	Molex Extractor Tool for .062" Pins	11-03-0002	21.25
11-03-0003	Molex Extractor Tool for .156" Pins	11-03-0003	11.20
92-0039-00	Molex Extractor Tool for .165" Pins	11-03-0044	33.55

SEIZERS

- Versatile tool with unusual holding qualities
- Clamps firmly to hold wires for soldering
- Acts as a heat sink and retrieves small parts from hard-to-reach places
- Precision-machined from perfectly tempered stainless steel
- Box-joint construction
- 3-position snap lock
- Serrated jaws
- 6" long

Xcelite

Part Number			Price per ea.
92-0090-00	Ref. No. 42HV	Straight Nose Seizer	8.99
92-0091-00	Ref. No. 43HV	Curved Nose Seizer	8.99

I.C. EXTRACTION TOOL

- For easy removal of integrated circuits

Part Number		Price per ea.
92-0022-00	I.C. Extraction Tool	6.20

40 PIN GROUNDED DIP EXTRACTOR

- Instant and accurate extraction
- Simply place the tool on the socket and depress the plunger
- Conductive finish with ground strap connection point

Part Number		Price per ea.
92-0253-00	40 Pin Grounded Dip Extractor	25.40

TELESCOPING MIRROR WITH MAGNETIC PICK-UP

- 1.25" round mirror is Ideal for seeing in difficult places
- Swivel connection allows mirror to be angled just right
- 1 lb. Pull magnet picks up dropped parts
- Magnet end extends to 27.25"; closes to 5.25"
- Color: chrome with red vinyl handle

Part Number		Price per ea.
92-0350-00	Telescoping Mirror with Magnetic Pick-Up	7.65

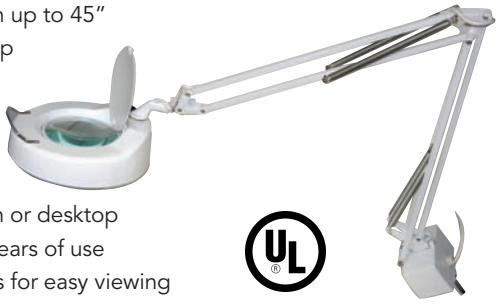
THIRD HAND WITH MAGNIFIER

- Magnifying glass for close work
- Works at any angle
- When two hands are not enough
- Diopter 2.5
- Size: 4.9" x 2.2" x 7.7"

Part Number		Price per ea.
92-0042-00	Third Hand with Magnifier	11.20

MAGNIFYING FLUORESCENT WORK LAMP

- Lamp arms reach up to 45"
- An excellent lamp for circuit board repair or rework
- UL listed
- 5 ft. cord
- Clamps to bench or desktop
- Heavy duty for years of use
- 3x Magnifier lens for easy viewing
- Spring-balanced arm positions light where it's needed
- 22 watt circular fluorescent lamp supplies shadow free light

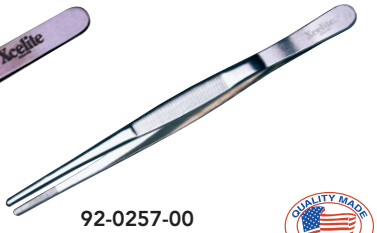


Part Number		Price per ea.
91-0202-00	Magnifying Fluorescent Work Lamp	91.10

TWEEZERS

- Premium stainless steel tweezers
- Precision quality-made in the USA
- Made from anti-magnetic, anti-acid stainless steel
- For electronic and fine assembly work

Xcelite



92-0150-00 92-0257-00

Part Number			Price per ea.
92-0150-00	Ref. No. XSST-4	Fine Taper Point Tweezers	13.48
92-0257-00	Ref. No. XHT-600	General Duty Tweezers-Round Point	5.52

7-PIECE NUTDRIVER SET

- Convenient blow molded case for wall mounting
- Color-coded handles
- 7-1/4" overall length
- Ref. No. 147TB
- Set includes:

Color	Hex Size
Red	1/4"
Orange	9/32"
Amber	5/16"
Green	11/32"
Blue	3/8"
Brown	7/16"
Red	1/2"

Xcelite

Part Number		Price per ea.
92-0077-00	7-Piece Nutdriver Set	39.99

11-PIECE NUTDRIVER SET

- Handles more jobs with fewer tools, saves bench space and lightens service kit
- Equipped with remarkable black, "piggyback" torque amplifier handle
- Set housed in attractive clear plastic case
- Color-coded handles
- Ref. No. PS-120 - Inches
- Ref. No. PS-121mm - Metric
- Set includes:

Color	Inch Size	Metric Size
Blue	3/32"	3mm
Red	1/8"	3.5mm
Amber	5/32"	4mm
Black	3/16"	4.5mm
Brown	7/32"	5mm
Red	1/4"	5.5mm
Orange	9/32"	6mm
Amber	5/16"	7mm
Green	11/32"	8mm
Blue	3/8"	10mm
Black	Torque Handle	Torque Handle

Xcelite

Part Number		Price per ea.
92-0078-00	Nutdriver Set - Inch Sizes	37.99
92-0280-00	Nutdriver Set - Metric	42.99
92-0354-00	Replacement Handle	2.99

METRIC NUTDRIVERS

- Manufactured precisely to metric dimension
- Drilled shaft
- Black handles

Xcelite

Part Number	Ref. No.	Hex Size	Shaft Length	Overall Length	Price per ea.
92-0154-00	7MM	7mm	76mm	156mm	5.95

NUTDRIVERS

- Full hollow shaft

Xcelite

Part Number	Ref. No.	Color	Hex Size	Shaft Length	Overall Length	Price per ea.
92-0120-00	L-6	Black	3/16"	6"	9-1/8"	6.95
92-0119-00	L-8	Red	1/4"	6"	10-1/8"	7.95
92-0117-00	L-10	Amber	5/16"	6"	10-1/8"	7.50
92-0115-00	L-11	Green	11/32"	6"	10-1/8	7.25
92-0114-00	L-12	Blue	3/8"	6"	10-1/8"	7.25
92-0138-00	HS-14	Brown	7/16"	3-1/8"	7-1/4"	7.50
92-0133-00	HS-16	Red	1/2"	3-1/8"	7-1/4"	4.95

MAGNETIC NUTDRIVERS

- Ultimate in convenience for assembly and service involving hex operations
- Alnico permanent magnet inserted in socket holds fasteners firmly for easy, one-hand driving or for retrieving or removal
- Socket specially treated and hardened for use with self-tapping screws
- Unique Xcelite development effectively insulates magnet
- Comfortable handle provides adequate torque for one-hand driving
- Various lengths available

Xcelite

Part Number	Ref. No.	Hex Size	Blade Length	Color	Price per ea.
92-0118-00	L-8-M	1/4"	6"	Red	10.25
92-0116-00	L-10-M	5/16"	6"	Amber	9.95
92-0355-00	LL-8-M	1/4"	16-3/4"	Red	23.30

57-BITS SCREWDRIVER SET CHROME-VANADIUM

NEW

- Ideal for repairs and projects, all bits in chrome-vanadium
- Contents:

Cross Bits: PH0, PH1, PH2, PH3

Pozzi Bits: PZ0, PZ1, PZ2, PZ3

Fractional Flat Bits: 1/8, 5/32, 3/16, 1/4, 9/32

Metric Hex Bits: H2, H2.5, H3, H4, H5, H5.5, H6

Fractional Hex Bits: H1/16, H5/64, H3/32, H1/8, H5/32, H3/16, H1/4

Square Bits: S0, S1, S2, S3

'Star' Bits: T10, T15, T20, T25, T27, T30, T40

Metric Flat Bits: 2 x 3, 2 x 4, 2 x 5, 2 x 6, 2 x 7mm

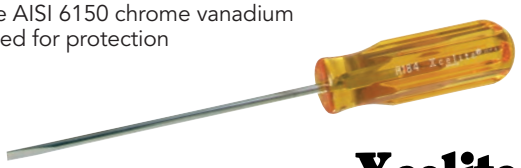
Sockets: 3/16, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 15/32, 1/2 + adapter

Holder for bits on both sides, 1 x hooked

Part Number		Price per ea.
92-2347-00	57-Bits Screwdriver Set, Chrome-Vanadium	9.95

XCELITE SCREWDRIVERS

- Blades are AISI 6150 chrome vanadium steel, plated for protection



Xcelite

Flat Blade Type Part Number	Point Size	Shaft Length	Overall Length	Price per ea.
92-0173-00	1/8"	4"	6-5/8"	3.95

Phillips Type Part Number	Point Size	Shaft Length	Overall Length	Price per ea.
92-0178-00	2	10"	14-1/8"	9.50

HAPP 5" SCREWDRIVER

- Handy 5" screwdriver with reversible Phillips/Slotted head
- Rubberized handle give you a better grip, even with wet or greasy hands
- Pocket clip makes it easy to carry in your shirt pocket without losing
- Hex shaft with a metal socket
- Smaller size is ideal for those tiny, hard to get spots

HAPP®

Part Number		Price per ea.
SCREWDRIVER HAPP	Happ 5" Screwdriver with Reversible Phillips/Slotted Head	3.15

HAPP SCREWDRIVERS

- 5" long-great for hard to reach places
- Flat head or phillips head available
- Hardened steel for life
- A must for every toolbox
- Complete with pocket clip

HAPP®

Part Number		Price per ea.
92-0206-02	Flat Head Screwdriver	1.95
92-0206-01	Phillips Head Screwdriver	1.80

4-IN-1 POCKET DRIVER SET

- Compact driver set is ideal for technicians on the go
- Magnetized driver holds tips in place
- Pocket clip for shirt pocket
- Handle color: Red
- Size: 4-1/2" L x 5/8" diameter
- 3/8" nut driver with 7/32" slotted and #1 Phillips tips in the handle

HAPP®

Part Number		Price per ea.
92-0369-00	4-In-1 Pocket Driver Set	5.15

PHILLIPS SCREWDRIVERS

- Cushion grip
- Various sizes and lengths

Crescent®

Part Number	Point Size	Overall Length	Blade Length	Price per ea.
92-0129-00	1	6-3/4"	3"	3.95
92-0262-00	2	8-3/8"	4"	4.50
92-0263-00	3	11"	6"	4.50

4-WAY POCKET TOOL

- Double-ended handle serves as 2 sizes of nutdrivers, 7/16" and 1/4"
- Special reversible SB1 blade fits slotted or Phillips head screws
- Versatile time saver
- Ref. No. 600V

Xcelite

Part Number		Price per ea.
92-0187-00	4-Way Pocket Tool	10.95

FOUR-IN-ONE SCREWDRIVER

- 2 blades interchangeable with two-in-one screwdriver
- Converts in seconds to 3/16" and 1/4" slotted tips and #1 & #2 phillips tips
- Self storing standard shaft
- Extra Handy Tool
- Ref. No. FSD-IV

Xcelite

Part Number		Price per ea.
92-0266-00	4-in-1 Screwdriver	11.95

6-PC JEWELERS SCREWDRIVER SET

- Housed in a sturdy plastic case
- Precision screwdriver set
- Includes 2 Phillips blades (#1& #0) and 4 flat lades (1.4mm, 2.0mm, 2.4mm & 3.0mm)

Part Number		Price per ea.
92-0072-00	6-pc Jewelers Screwdriver Set	4.10

3-IN-1 TAP TOOL

- Cuts or cleans threads in electrical boxes, lighting fixtures, all thin metal and plastics
- Replaceable tap blades available
- Three sizes in one tool
- Sturdy comfortable handle

Part Number		Price per ea.
92-0024-00	3-In-1 Tap Tool	10.25

DREMEL ELECTRIC ENGRAVER

NEW

- 7,200 strokes per minute
- Includes letter and number template
- 1.15 amp

Part Number		Price per ea.
92-1864-00	Dremel Electric Engraver	22.35

STUBBY PHILLIPS SCREWDRIVER

- No. 2 Phillips tip
- 3-3/8" overall length
- Ref. No. SX-102

Xcelite

Part Number		Price per ea.
92-0145-00	Stubby Phillips Screwdriver	5.95

TWO-IN-ONE STUBBY SCREWDRIVER

- Stubby handle
- 3/16" slotted tip end and No. 1 Phillips end
- Ref. No. TSD-1V

Xcelite

Part Number		Price per ea.
92-0088-00	Two-In-One Stubby Screwdriver	6.95

29-PIECE DRIVER AND BIT SET

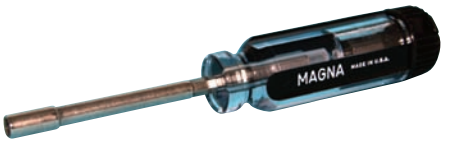
- 29-piece driver and bit set
- Packaged in durable molded plastic case

Includes	Length Inches	Bit/Point Size
Driver	7	1/4 (magnetic w/storage handle)
Phillips Bits	1	0,1, 2, 3
Slotted Bits	1	3, 5, 7/32, 9/32
Allen Bits	1	5/64, 3/32, 7/64, 1/8, 9/64
Square Recess Bits	1	0, 1, 2, 3
TORX Bits	1	T10, T15, T20, T25, T30, T40
POZIDRIV Bits	1	1, 2, 3
Socket Adapter	1	1/4
Bit Holder	1	1/4 (for use with power tools)

Part Number		Price per ea.
92-0100-10	29-Piece Driver and Bit Set Kit	22.65

MAGNETIC SCREWDRIVER

- Industrial quality screwdriver
- Magnetic shank with flip top cap
- 1/4" Hex insert bit
- Includes 4 bits in handle - Phillips #1, #2 and Flat #4 , #6



92-0035-00

Part Number		Price per ea.
49-0585-00	7" Magnetic Screwdriver with 4 Bits	9.55
MD8	8" Magnetic Screwdriver with 4 Bits	6.99
49-0586-00	11" Magnetic Screwdriver with 4 Bits	11.30
92-0035-00	Replacement Screw Cap	1.15

S.A.E. POWER NUTDRIVER BIT SET

- For Magna Tip screwdriver 1/4" shank
- Adaptable to 1/4", 3/8" and 1/2" chucks
- 7-piece set includes: 3/16", 1/4", 9/32", 5/16", 7/16", 3/8" and 11/32" nutdrivers
- Handy red plastic case

Part Number		Price per ea.
92-0223-00	S.A.E. Power Nutdriver Bit Set	12.35

SCREWDRIVER BITS

TORX® TAMPER-RESISTANT

SLOTTED

PHILLIPS

- Ideal for screw guns, cordless and electric drills
- Tough, fracture-resistant tips
- Made in the USA
- Torx® is a registered trademark of Camcar Div. of Textron Inc.

Part Number	Type	Price per ea.
92-0030-00	#0 Phillips	1.45
49-0632-00	#1 Phillips	1.45
49-0633-00	#2 Phillips	1.45
92-0017-00	#2 Phillips, 3 Inch Long	1.85
92-0021-00	#2 Phillips, 2 Inch Long	1.85
49-0634-00	#3 Phillips	1.45
49-0635-00	#3 - 4 Straight Slotted	2.70
49-0636-00	#5 - 6 Straight Slotted	1.70
49-0637-00	#6 - 8 Straight Slotted	1.70
49-0638-00	#8 - 10 Straight Slotted	1.70
49-0639-00	#10 - 12 Straight Slotted	1.70
49-0574-T10	Torx® T-10 Tamper-Resistant Bit	3.30
49-0574-T15	Torx® T-15 Tamper-Resistant Bit	3.30
49-0574-T20	Torx® T-20 Tamper-Resistant Bit	3.30
49-0574-T25	Torx® T-25 Tamper-Resistant Bit	3.30
49-0574-T27	Torx® T-27 Tamper-Resistant Bit	3.30
49-0574-T40	Torx® T-40 Tamper-Resistant Bit	3.30
92-0151-00	Torx® T-9 Bit	2.70
92-0264-00	Torx® T-20 Bit	2.70
92-0261-00	Torx® T-25 Bit	2.70

TAMPER-RESISTANT TORX® WRENCHES

- A must for every toolbox
- Torx® is a registered trademark of Camcar Div. of Textron Inc.

Part Number		Price per ea.	L/6
49-0452-00	Torx® T-10 Wrench	5.25	4.75
49-0107-00	Torx® T-15 Wrench	6.60	5.95
49-0049-00	Torx® T-20 Wrench	6.60	5.95
49-0048-00	Torx® T-25 Wrench	6.60	5.95
49-0520-00	Torx® T-27 Wrench	6.60	5.95
49-0537-00	Torx® T-30 Wrench	6.60	5.95
49-0538-00	Torx® T-40 Wrench	6.60	5.95

TAMPER-RESISTANT TORX® WRENCH SET

- 6-piece set
- Contains one each T-10, T-15, T20, T-25, T-27, T-30
- Torx® is a registered trademark of Camcar Div. of Textron Inc.

Part Number		Price per ea.
49-0709-00	Tamper-Resistant Torx® Wrench Set	23.65

POCKET SIZE HEX KEY SETS

- Spring bar holds tool in place
- One piece steel case, heat treated 8650 alloy steel
- Folds up like a pocket knife

7-Piece Metric Key Set
Includes the following sizes: 1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm and 6mm

Part Number		Price per ea.
92-0044-00	7-Piece Metric Hex Key Set	8.45

8-Piece S.A.E. Key Set
Includes the following sizes: .050, 1/16", 5/64", 3/32", 7/64", 1/8", 9/64" and 5/32"

Part Number		Price per ea.
92-0045-00	8-Piece S.A.E. Hex Key Set	8.45

9-Piece Large S.A.E. Key Set
Includes the following sizes: 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32" and 1/4"

Part Number		Price per ea.
92-0046-00	9-Piece S.A.E. Hex Key Set	11.25

BIT HOLDER FOR HEX INSERT BITS

- Magnetic 1/4" bit holder

Part Number		Price per ea.
92-0016-00	2-7/8" Length	6.15
92-0050-00	6" Length	7.70

1/4" MALE ADAPTER

- Adapts screwdrivers and drills to drive sockets

Part Number		Price per ea.
92-0015-00	1/4" Male Adapter	4.10

TAMPER-RESISTANT STAR BIT SET

- For tamper-resistant star fasteners
- Tempered, precision-machined tips
- Complete with PVC organizer
- Includes 7 bits: T-10, T-15, T-20, T-25, T-27, T-30, T-40

Part Number		Price per ea.
49-0710-00	Tamper-Resistant Star Bit Set	4.25

33-PIECE SECURITY BIT SET

NEW

- Handy pocket size set
- Bits commonly used to remove tamper resistant screws
- Blister card packaging
- Includes:
  - 'Star': #T8, T10, T15, T20, T25, T27, T30, T35, T40
  - Hex: #5/64", 3/32", 7/64", 1/8", 9/64", 5/32"
  - Hex: #2, 2.5, 3, 4, 5, 6
  - Tri-Wing: #1, 2, 3, 4
  - Fork: #4, 6, 8, 10
  - Four-Wing: #6, 8, 10
  - Magnetic bit holder: 1/4" hex

Part Number		Price per ea.
49-0710-10	33-Piece Security Bit Set	8.95

100-PIECE SCREWDRIVER BIT SET

NEW

- Indispensable when working on: cars, machinery, household appliances, electric & electronic devices
- Contents:
  - Philips bits: PH.0, PH.1, PH.2 (5x), PH.3
  - Pozzi Bits: PZ.0, PZ.1, PZ.2 (5x), PZ.3
  - Square Bits: S0, S1, S2, S3
  - Flat Bits: 3, 4, 4.5, 5, 5.5, 6, 6.5, 7, 8mm
  - Antenna remover bits: 4, 6, 8, 10
  - 'Star' Bits: T8, T10, T15, T20, T25, T27, T30, T40, T45
  - Tri-Wing Bits: 6, 8, 10
  - 'Star' with Centre Bits: T8, T10, T15, T20, T25, T27, T30, T35, T40
  - Four-Wing Bits: 1, 2, 3, 4
  - Metric Hex Bits: 1.5, 2, 2.5, 3, 4, 5, 5.5, 6, 8mm
  - Clutch Bits: 1, 2, 3
  - Fractional Hex Bits: 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, ?
  - Dodecagonal 'Star' Bits: M5, M6, M8
  - Metric Hex with Centre Bits: 2, 2.5, 3, 4, 5, 6mm
  - Fractional Hex with Centre Bits: 5/32, 9/64, 1/8, 7/64, 3/32, 5/64
  - 1 wing nut driver
  - 4 extension bits:
    - Socket bit holder: 1 pc
    - Magnetic bit holder: 1 pc
    - 1/4" sq. x 1/4" x 2" extension: 1 pc
    - 1/4" sq. x 1/4" x 1" extension: 1 pc

Part Number		Price per ea.
92-2346-00	100-pc Screwdriver Bit Set	14.95

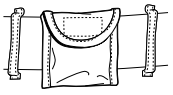
4-POCKET HOLSTER

- Clip-on 4-pocket holster for mini-flashlight, tools, marker, etc.
- Made in the USA
- Overall size: 4" X 4"
- 3 small pockets and 1 large pocket in back
- Constructed from tuff poly webbing and a plated spring steel clip
- Easily worn with or without a belt
- Spring-loaded metal belt clip on back

Part Number		Price per ea.
92-0564-00	4-Pocket Holster	18.50

GLOVE POUCHES

- Made of black cordura nylon
- 2-1/2" low profile belt loop



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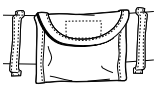
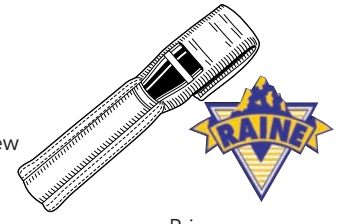


92-0112-00

Part Number		Price per ea.
92-0018-00	3-1/2" x 3-1/2 Standard Glove Pouch	5.10
92-0112-00	4" x 4" Large Glove Pouch	4.99

MINI-FLASHLIGHT SHEATH



- Holds mini-flashlight uncovered
- Made of black durable nylon
- Sewn down belt loop
- Unaffected by water, oil or mildew
- Flashlight not included

Part Number		Price per ea.
92-0227-00	Mini-Flashlight Sheath	4.40

LARGE TOOL HOLDER

- 3 large pockets
- Extra space for additional tools
- Made from heavy duty black nylon Cordura
- Fits on tool belt

Part Number		Price per ea.
92-0012-00	Large Tool Holder	10.25

SECURITY POUCH

- 3 large pockets hold: 1 set handcuffs, 2 pair latex gloves, 1 Mag-lite, 2 pens or 1 marker, 1 log book
- Fits on web belts
- Made in the USA from heavy duty black nylon Cordura®
- Size: 8" (L) x 4" (W) x 1-1/2" (D)
- May also be used as a tool holder
- Handcuffs and tools not included

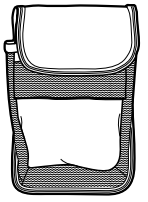
Part Number		Price per ea.
92-0289-00	Security Pouch	13.05

DELUXE TOOL SHEATH

- Holds Mini-flashlight, pens, screwdriver, shears, etc.
- Easily attaches to belt with loop on back
- Made of heavy duty black nylon

Part Number		Price per ea.
92-0031-00	Deluxe Tool Sheath	9.25

LARGE SLOT MACHINE POUCH



- 6" W x 8-1/2" H
- 2 pockets
- Black Imperial nylon
- Large belt loop sewn on back

Part Number		Price per ea.
92-0111-00	Large Slot Machine Pouch	21.90

RADIO/EMT COMBO POUCH BY RAINE

- Heavy-duty multipurpose pouch ideal for repair techs, handymen and security staff
- Fits on your belt and can hold any size radio, scissors, pens, mini flashlight, small screwdriver and cell phone
- Made in the U.S.A. from durable Polypro Web
- Easy care maintenance, pouch can be washed in water and is unaffected by oil or mildew
- Size: 2.5" W x 1.75" D x 9" H
- Minimum height 6"

Part Number		Price per ea.
92-2083-00	Radio/EMT Combo Pouch	23.95

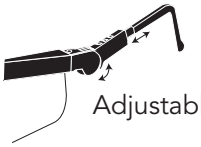
NYLON FLASHLIGHT HOLDER FOR LIGHTWAVE 2000™

- Made of durable black nylon
- Attaches to belt with included loop on back
- Fold over flap holds the flashlight securely in the holder
- Resists water, oil and mildew
- Made in USA

Part Number		Price per ea.
49-6119-10	Nylon Flashlight Holder with Belt Clip	13.35

SAFETY GLASSES WITH ADJUSTABLE FRAME

- Economical, wrap-around styling with integral sideshields and nosebridge
- Impact resistant lenses treated with Duramass® AF4 scratch-resistant coating
- Adjustable temple length
- Unique fully-adjustable, five-position ratchet-action temples
- Clear polycarbonate lenses filters out 99.9% of harmful UV light
- Meets CSA Z94.3
- Meets ANSI Z87.1-2003 High Impact
- Black frame



Part Number		Price per ea.
92-0136-01	Safety Glasses w/Adjustable Frame	5.99

ANTI-STATIC WRIST STRAP

NEW

- Prevent damaging static discharge while working on static-sensitive equipment
- Works continuously, discharging electricity harmlessly as its generated
- Includes a 5' grounding cord attachment
- A "must-have" for any technician

Part Number		Price per ea.
92-1338-00	Anti-Static Wrist Strap	9.95

ECONOMY DRILL BITS

- Straight shank

Part Number	Size	Price per ea.
92-0053-00	1/16"	.90
92-0051-00	5/64"	.90
92-0055-00	3/32"	.90
92-0056-00	7/64"	.90
92-0057-00	1/8"	.90
92-0058-00	9/64"	1.89
92-0054-00	5/32"	.90
92-0059-00	3/16"	1.25
92-0061-00	1/4"	1.85
92-0062-00	3/8"	4.05

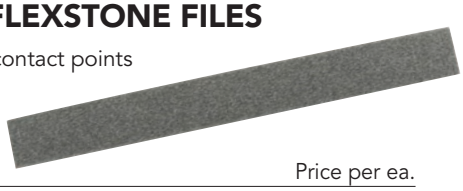
GLUE STICKS

- 10" glue sticks
- Pack of 20

Part Number		Price per ea.
29-1145-00	Glue Sticks (Pack of 20)	6.49

FLEXSTONE FILES

- For filing electrical contact points
- 4-1/4" long



Part Number		Price per ea.
43-0686-00	Fine Grit	2.29
43-0687-00	Medium Grit	2.55

METAL BURNISHER

- For burnishing electrical contacts
- 4" long

Part Number		Price per ea.
43-0579-00	Metal Burnisher	2.70

SPRING HOOK & SCRIBE

- Double fixed-point scribe
- One straight point and one curved hook
- Overall length of 8"

Part Number		Price per ea.
49-0655-00	Spring Hook & Scribe Tool	4.50

TAP AND DRILL SET

- Designed for electricians
- 13-Piece set holds carbon taps and matching HSS twist drills
- Housed in durable plastic case
- Includes 6 carbon plug taps: sizes 4-40, 6-32, 8-32, 10-24, 10-32, 1/4-20, 6 HSS twist drills-sizes 43, 36, 29, 25, 21, 7, and a T-handle wrench

Part Number		Price per ea.
92-0080-00	Tap and Drill Set	28.00

15 PIECE DELUXE DRILL BIT SET

- 1/4" round shank twist drills
- Reduced shanks on sizes above 1/4"
- Durable molded plastic case
- 1/16" center punch and full fractional drill range
- Includes sizes 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8", 7/16" and 1/2"

Part Number		Price per ea.
92-0027-00	Deluxe Drill Bit Set	29.99

LUFKIN QUIKREAD POWER RETURN TAPE

- Easy-to-read vertically numbered tape measure
- Graduations printed in fractions and decimal equivalents to help you make quick readings
- Rounded case fits your hand fits for comfort
- Patented Lufkin "Quad Hook" extends blade life
- Positive toggle lock holds blade in place for dependable measurements
- Durable ABS case withstands rugged use on the job site
- Rubber bumper absorbs shock when blade is returned, extending blade life
- Graduations protected by tough clear-coat protectant
- 3" base for convenient inside measurements
- 25' L x 1" W blade for greater standout
- Made in USA

Lufkin®

Part Number		Price per ea.
92-0360-00	Lufkin Quikread Power Return Tape	19.95

XCELITE XP1 CORDLESS DRIVER KIT

- This Kit contains a driver, battery, charger, 3 bits and 1 adapter.
- Multi-stage clutch
- 2 Speed control. Low speed of 180 and high speed of 360 RPMs
- UL and cUL approved charger
- Motor: 3.6V DC
- Max. Clutch torque: Low 28.5 in. lbs., High 14 in. lbs.
- Overall Length: 10.8"
- 3.6V Nickel-Cadmium battery
- Battery charger for a quick 1 hour charge
- UL and cUL approved charger
- Includes 3 bits, 2 Phillips and 1 slotted

Xcelite

Part Number		Price per ea.
92-0993-00	Xcelite XP1 Cordless Driver Kit	126.95
92-0994-00	Replacement Battery	34.08

GENERAL DUTY SOLDERING KIT

- For the professional
- UL Listed
- Ref. No. SP23LK
- Kit contains SP23 iron; MT1, MT2, MT3, 1/8" / 3mm diameter pre-tinned tips of nickel plated copper; lead free solder and soldering aid tool

Weller®

Part Number		Price per ea.
94-0023-00	General Duty Soldering Kit	25.97

Replacement Tips

Part Number	Ref. No	Description	Price per ea.
92-0214-00	MT1	Cone Shaped Tip	4.96
94-0253-00	MT2	Screwdriver Tip	4.96
92-0254-00	MT3	Chisel Tip	5.10

WELLER SOLDERING IRONS

- Professional quality
- 7-7/8" / 200mm long
- Small and lightweight
- Uses ST series long life double-coated iron-plated tips
- Quick change knurled collar
- Stainless steel barrel
- Light blue with cushion grip handle and plug in heating element
- 6 ft. 3-wire cord
- UL Listed
- 3 different heating elements are available

Weller®

Part Number	Description	Watt	Price per ea.
94-0025-00	Ref.No WP25	25	42.95
94-0035-00	Ref.No WP35	35	54.95

PORTASOL BUTANE SOLDERING IRON

- Cordless, refillable butane gas-powered soldering equipment
- Does not require cords, batteries or cartridges
- Patented soldering tool has a catalytic converter that provides a powerful yet safe flameless combustion
- Refills with butane lighter gas

portasol™ P-1

Weller®

Part Number		Price per ea.
92-0194-00	Portasol Butane Soldering Iron	39.95

UNIVERSAL COLOR TV ALIGNMENT TOOL KIT

- 5 different alignment tools for all standard adjustments
- All tools are made of Delrin in various colors for easy identification
- Included is the "Extend-it" to make long reach alignors out of each tool
- Kit contains 1 each:

"Extend-it" shaft extension
Hex core tool
Zenith alignment tool
Hex iron core tool
Double end tool
5" hex wrench

Part Number		Price per ea.
92-0196-00	Universal Color TV Alignment Tool Kit	7.20

SOLDER PEN

- Handy disposable dispenser with pocket clip
- 12-1/2' of .032 diameter solder
- 60% tin 40% lead, with rosin core

Part Number		Price per ea.	L/6
29-1035-00	Solder Pen	3.50	3.10

REPLACEMENT SOLDERING TIPS

- For Weller WP25 and WP35 solder irons
- ST series tips
- Precision ground copper tips are plated with iron, nickel and chromium

Weller®

Part Number	Ref. No	Tip Size & Description	Price per ea.
94-0001-00	ST1	1/16" Screwdriver Tip	6.40
94-0003-00	ST3	1/8" Screwdriver Tip	6.40
94-0007-00	ST7	1/32" Conical Tip	6.40

REPLACEMENT TIPS

portasol® P-1

Weller®

Part Number	Ref. No	Size	Price per ea.
92-0252-00	T-1	1.0mm Pro Tip	13.24
92-0192-00	T-3	3.2mm Pro Tip	13.56
92-0244-00	T-6	Hot Blower	12.86
92-0207-00	T-7	Hot Knife	8.95

KESTER FLUX-PEN

- The Kester Flux-Pen® is a unique tool for rework and touch-up soldering
- It allows controlled application of flux, eliminating the mess from flux bottles
- Flux-Pen® are ideally suited for surface mount rework, component add-on applications, and TAB assembly operations.
- The two available formulas are:

Formula	Flux Type
"RMA"	No-Clean 951
Low Solids	No-Clean

KESTER

Part Number		Price per ea.
29-0111-00	Formula 186 Flux-Pen	8.80
29-0140-00	Formula 951 Flux-Pen	8.80

REPLACEMENT SOLDER TIPS FOR WTCPT STATION

- Heavy iron plated, precision ground PT series tips
- Provide maximum heat transfer from heater to tip

Weller®

Part Number	Ref. No	Description	Price per ea.
94-0093-00	PTP7	7000 F Conical Tip	7.24
94-0094-00	PTA7	7000 F Screwdriver Tip	7.24
94-0263-00	PTO7	7000 F Long Conical Tip	5.45
94-0095-00	PTA8	8000 F Screwdriver Tip	7.24

REPLACEMENT PARTS FOR WELLER WES50 AND WES51 ELECTRONIC SOLDERING STATION

94-0233-00

94-0236-00

94-0234-00

94-0238-00

94-0235-00

94-0239-00

Weller®

Part Number	Ref. No	Description	Price per ea.
94-0234-00	ETR	1/16" Narrow Tip	6.82
94-0233-00	ETS	1/64" Conical Tip	6.82
94-0238-00	ETDD	3/16" Flat Tip	6.82
94-0235-00	ETO	1/32" Conical Tip	6.82
94-0236-00	ETA	1/16" Screwdriver Tip	6.82
94-0239-00	ETK	3/64" Long Screwdriver Tip	6.82

UNIVERSAL SOLDERING GUN

- All Purpose Solder Gun
- 2-wire cord
- UL listed
- 120 volt, 50/60 Hz, 140/100 watts
- Ref. No. 8200
- Fingertip trigger selection of high or low output from instant-heat gun-ready to solder in 6 seconds
- High efficiency tin plated, pure copper tip
- Compact, balanced pistol-grip design
- Soldering hints booklet included

Weller®

Part Number		Price per ea.
94-8200-00	Universal Soldering Gun	42.95
94-7135-00	Replacement Soldering Tip, card of 2	5.76

MANUAL DESOLDERING PUMPS

- Removes molten solder from printed circuit boards and electronic components
- Plunger seal spring creates extremely strong suction
- Antistatic Teflon tips that screw into the body to ensure that the strong vacuum is maintained
- Tool features push button plunger release and lightweight aluminum body that withstands high temperatures
- Tips unscrew to allow easy removal of accumulated solder debris

Part Number	Ref. No	Description	Price per ea.
94-0201-00	7881	Desoldering Pump w/.125" Tip	39.48
94-0203-00	7883	Replacement 0.125" Tip	10.02
94-0200-00	7874B	Desoldering Pump w/0.07" Tip	27.56
94-0202-00	7875B	Replacement 0.08" Tip	5.86

SOLDER POPPER

- Combines a snap-vacuum solder removal tool with a 30 watt soldering iron for fast, one hand operation
- Excellent tool for field repair or production work
- Tightly sealed vacuum pump snaps up all of the solder quickly
- Removable reservoir stores solder
- Long life tip unscrews for easy replacement

Part Number		Price per ea.
92-0759-00	Solder Popper	41.85

PORTASOL SOLDERING KIT

portasol® P-1

Weller®

- Does not require cords, batteries or cartridges
- Patented soldering tool has a catalytic converter that provides a powerful yet safe flameless combustion
- Refills with butane lighter gas
- Develops 850° F/ 454° C
- Kit contains Portasol P-1 soldering tool, 3/32 in. / 2.4mm iron-plated soldering tip, hot knife accessory, hot blower accessory, blow torch accessory, cleaning sponge and safety stand
- Ref. No. P-1KC

Part Number		Price per ea.
92-0277-00	Portasol Soldering Kit	73.66

SOLDER PENCIL

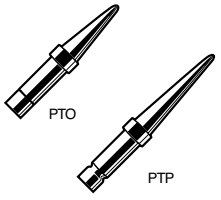
- Weller Marksman 25W with stainless steel barrell
- Replaceable nickel-plated copper tip
- Heat and impact resitant handle

Weller®

Part Number		Price per ea.
SP23	Solder Pencil	18.50

CONTROLLED OUTPUT SOLDERING STATION

- Transformer powered soldering station complete with macro style, low voltage, temperature controlled soldering iron
- Special "closed loop" method of controlling maximum tip temperature.....to protect temperature sensitive components
- Quick disconnect plug for soldering iron and lighted on/off switch
- Separate conductor grounds iron tip and terminates at third pin of power cord
- UL listed
- 120 volts, 60 watts, 60 Hz
- Ref. No. WTCPT



Part Number		Price per ea.
94-0092-00	Controlled Output Soldering Station	191.44

Replacement Parts for WTCPT Soldering Station

Part Number	Ref. No	Description	Price per ea.
94-0210-00	TC201T	Solder Iron with Tip	100.52
94-0106-00	455	Sponge	1.99
94-0060-00	SW60	Switch Assembly	34.52

WELLER ELECTRONIC SOLDERING STATION

- Electronically controlled station
- Ideal for continuous production soldering or occasional use
- Features a new heater and sensor design that allows for quick heat-up and recovery
- Wireless temperature lockout to prevent operators from raising the temperatures to higher levels than specified
- Wireless tip temperature calibration provides capability of resetting station temperature readings to variations in tip sizes and styles
- Slim, comfortable hand piece reduces operator fatigue
- ESD safe to protect sensitive components
- 120 volts, 60 watts
- UL listed
- Ref. No. WES51

Part Number		Price per ea.
92-0213-00	Weller WES51 Soldering Station	163.96

WELLER DIGITAL 85W SOLDERING STATION, 120V

NEW

- 3 "radio buttons" allows to pre-set frequently used temperature settings
- Extensive Special Functions menu allows you to utilize access features
- Setback, lockout, temp. window, F/C switching, standby, auto-off time
- Large high contrast LCD display displays more information at a glance
- The heating element is contained in the pencil rather than the tip
- Micro pencil with short tip to grip (37 mm) puts you close to the work

- High output pencil allows you to work with lead-free solder
- Iron stand has adjustable tilt angle in 4 positions ranging from 30-80
- Voltage Input / Output: 120 V / 24 V
- ESD safe to protect sensitive components
- Ref. No. WD1001

Product Details	
Wattage	85 W
Soldering Pencil(s)	WMP
Temperature Range	150° F to 850° F
Voltage Input/Output	120 V/24 V
Supplied Tip(s)	NT1
Iron Stand	WDH20
Temperature Accuracy	+/- 9° F to +/- 5° C
Length (Inches)	15.354
Width (Inches)	10.236
Height (Inches)	8.268
Gross Weight (lb)	8.818
Volume (cu in)	1299.428

Part Number		Price per ea.
92-2734-00	Weller Digital 85W Soldering Station, 120V	358.95

SPONGE FOR SOLDERING STATION

- Replacement Sponge sold in eaches
- Ref. No. 455

Part Number		Price per ea.
94-0106-00	Sponge for Soldering Station	1.99

SOLDERING TOOL STAND

- Soldering tool stand with base sponge and iron holder
- Compatible with Weller W60P, WP25, WP30, WP35 and irons with barrel diameters up to 15/32"/ 11.90mm
- Ref. No. PH60

Part Number		Price per ea.
94-0280-00	Soldering Tool Stand	29.82

PROWICK® DESOLDERING BRAID

- Advanced braid design works instantly to pull in excess solder
- Pure copper braid construction enhances wicking action
- Mildest non-activated white rosin flux ensures safe, clean operation
- Vacuumed-packaged for longer shelf life

TECHSPRAY™

Part Number		Width	Length	Price per ea.
80-0012-00	#1 White Fine Braid	.035″	5′	2.88
94-0010-00	#1 White Fine Braid	.035″	25′	12.05
80-0016-00	#2 Yellow Fine Braid	.055″	10′	5.03
80-0017-00	#2 Yellow Fine Braid	.055″	25′	12.60
80-0022-00	#3 Green Fine Braid	.075″	5′	2.86
80-0018-00	#3 Green Fine Braid	.075′	10′	5.17
80-0020-00	#3 Green Fine Braid	.075′	25′	12.78
80-0040-00	#4 Blue Fine Braid	.098″	5′	3.06
80-0030-00	#4 Blue Fine Braid	.098″	10′	5.69
80-0034-00	#4 Blue Fine Braid	.098″	25′	14.05
80-0023-00	#4 Blue Fine Braid	.098″	100′	53.04

DESOLDERING BRAID

- 5′ spools
- Pure copper

Part Number	Color Code	Width	Price per ea.
29-1149-00	Yellow #2	.025″	3.40
29-1046-00	Gold #2	.050″	3.45
29-1148-00	Green #3	.075″	3.40
29-1147-00	Blue #4	.100″	3.90

MINI RAZOR BLADE HOLDER AND SCRAPER

- Blade easily snaps in and out
- Blade can be stored upside down for safety
- Holds blade securely for scraping jobs
- Includes one blade

Part Number		Price per ea.
49-5053-00	Mini Razor Blade Holder and Scraper	1.30

RAZOR BLADES

- Single edge
- Industrial quality
- Sold 100 per box

Part Number		Price per ea.
49-0926-00	Razor Blades	8.40

CHIP QUIK SMD REMOVAL KIT

NEW

- By adding Chip Quik normal solder will reflow at a safe low temperature below 150 deg
- Remove QFPs, PLCCs, SOICs and chip components without complex and costly equipment
- A large inventory stock of heater tips and nozzles are not required.
- Use Chip Quik with existing rework equipment or temperature controlled soldering irons.
- Eliminates mechanical damage from chip extraction when reflow is incomplete
- Complete instructions for SMD removal and cleanup included
- Contents provided in a durable plastic case

Part Number		Price per ea.
92-2148-00	Chip Quik SMD Removal Kit	17.95
92-2144-00	Chip Quik Complete Solder/Desolder Kit	149.95

SOLDER SPOOL

- Activated rosin core solder offers excellent wetting action
- Completely non-corrosive and electrically non-conductive
- 60% tin 40% lead
- 1 lb. spool of solder

KESTER

Part Number	Diameter	Description	Price per ea.
29-1152-00	0.62	Kester "44"	28.95
29-1050-00	0.31	Kester "44"	27.15

UTILITY KNIFE

- Fully retractable blade with slide stop operation
- 3 blade positions - full, one-half and one quarter
- Aluminum handle is contoured to fit the palm of the hand
- Includes 3 heavy duty blades
- Extra blades can be stored in the handle

BladeSmith®

Part Number		Price per ea.
92-0040-00	Utility Knife	3.90

UTILITY KNIFE BLADES

- Heavy Duty
- Sold in packages of 5

BladeSmith®

Part Number		Price per pkg.
92-0014-00	Utility Knife Blades	1.70

HAKKO 936 SOLDER STATION

- Compact unit; takes up little space on the workbench.
- Soldering irons have thinner grips for easier use.
- Lock screw prevents inadvertent changes to the temperature setting.
- Power consumption: 60W

HAKKO

Station

Output Voltage	24V AC
Temperature	200°C - 480°C (392°F - 896°F)
Temperature Stability	±1.0°C (1.8°F)
Outer Dimensions (w/o cord)	120(W) x 93(H) x 170(D) mm 4.7(W) x 3.7(H) x 6.7(D) in.
Weight (w/o cord)	Approx. 1.3 kg (2.9 lbs)

Iron

Model Name	900S 900SESD	907 907ESD	908 908ESD
Type	Small	Medium	Large
Style	Regular ESD	Regular ESD	Regular ESD
Power Consumption	AC; 24V/50W		
Standard Tip	900S-T-I	900M-T-1.6D	900L-T-3.2D
Tip to Ground Resistance	Under 2 ohms		
Tip to Ground Potential	Under 2 mV (Typ. 0.6 mV)		
Heating Element	Ceramic heater		
Total Length (w/o cord)	176 mm (7 in.)	190 mm (7.5 in.)	200 mm(7.9 in)
Weight (w/o cord)	25 g (0.06 lbs)	44 g (0.09lbs)	54 g (0.12 lbs)

Part Number		Price per ea.
92-1215-00	Hakko 936 ESD Soldering Station	160.80
92-1251-00	Hakko 936 Non-ESD Soldering Station	99.95

HAKKO SOLDERING IRON

- Both the Hakko 455 and 456 incorporate a ceramic heating element, which provides a longer service life than the conventional nichrome-iron element.
- Alloy-coated iron tips ensure long-lasting protection from corrosion
- The Hakko 455 is perfect for soldering tuners, inverters, and similar small components

Part Number	455-16
Power Consumption	40W
Standard Tip	A1052
Heating Element	Ceramic Heater
Max. Temperature	599°C (1110°F)
Total Length	215mm (8.5 in.)
Weight	100 g (0.2 lb.)

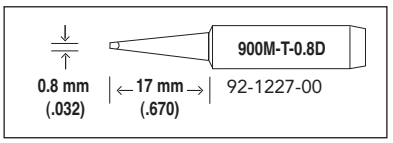
HAKKO

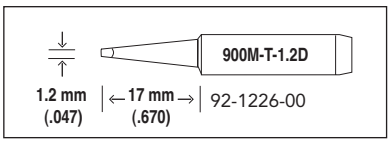
Part Number		Price per ea.
92-1258-00	Hakko 455-16 Soldering Iron	68.08

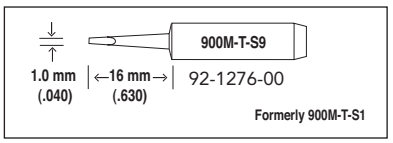
HAKKO TIPS FOR 900M/907/913 SERIES

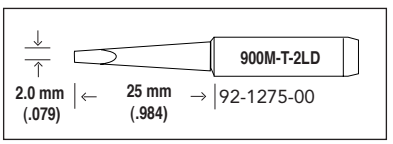
- High quality, long life tips
- Designed and manufactured for maximum heat conductivity and performance

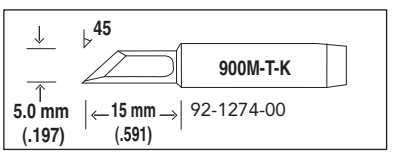
HAKKO

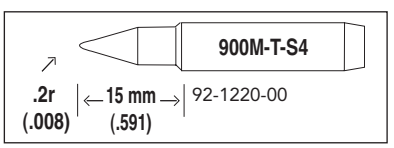


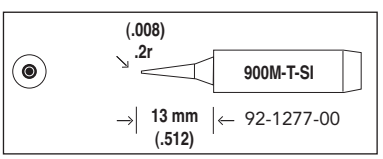












Part Number		Price per ea.
92-1227-00	900M-T-0.8D	10.20
92-1226-00	900M-T-1.2D	8.60
92-1276-00	900M-T-S9	9.48
92-1275-00	900M-T-2LD	9.18
92-1274-00	900M-T-K	13.58
92-1220-00	900M-T-S4	10.10
92-1277-00	900M-T-SI	9.88

HAKKO FM-202 SOLDERING STATION

A New Revolutionary Soldering Station
The Hakko FM-202 is the first in a series of modular soldering, desoldering, and rework stations to be introduced by American Hakko. The FM-202 features revolutionary quick change composite tips that provide superior heat transfer and thermal recovery at any temperature. Adjustable temperature eliminates the need to purchase additional tips just to change temperature, reducing the total cost of ownership. The unit also features an industry first process gate that identifies the tip being used and configures the station accordingly to ensure tip temperature accuracy. Additional features also include auto shutoff, and low temperature alarm, all in a modular ESD safe design

- Process Gate identifies tip in use and ensures accuracy of tip temperature
- Accurate tip temperature between 400°F and 840°F.
- Superior Thermal Recovery
- Automatic Power Shut-off
- Low Temperature Alarm
- Lock Out Control of set temperature
- Connector LED indicating iron is on
- Modular Design
- Ergonomic grip
- ESD safe by design.

Part Number		Price per ea.
94-0348-00	Hakko FM-202 Soldering Station	567.30

Power Consumption	75W (Max. 130W)
Temperature Range	200°C - 450°C (400°F - 840°F)
Temperature Accuracy	±10°C (±18°F) of set temperature (Fig.1)
Temperature Stability	±5°C (±9°F) at idle temperature

Station

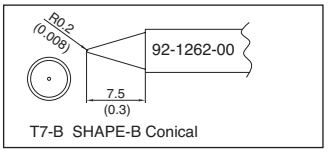
Output Voltage	24V
Outer Dimensions	178(L) x 119(W) x 117(H) mm 7.0(L) x 4.7(W) x 4.2(H) in.
Weight	2.7 kg (5.9 lbs.)

Soldering Iron

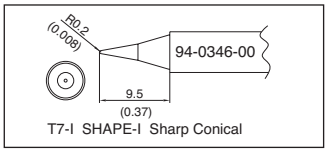
Power Consumption	70W (24V)
Tip to Ground Resistance	Under 2 ohms
Tip to Ground Potential	Under 2mV
Total Length (w/o cord)	188 mm (7.4 in.) with T7-D24 tip
Weight (w/o cord)	30 g (0.067 lb./1.07 oz.) with T7-D24 tip
Cord	1.2m (4 ft.)

HAKKO TIPS FOR FM-202 SOLDERING STATION

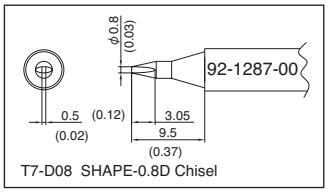
- High quality, long life tips
- Designed and manufactured for maximum heat conductivity and performance



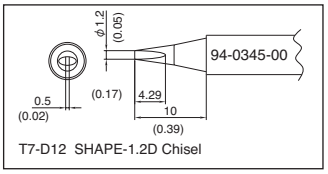
T7-B SHAPE-B Conical



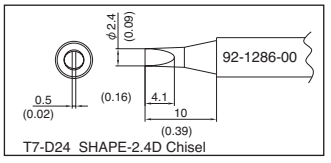
T7-I SHAPE-I Sharp Conical



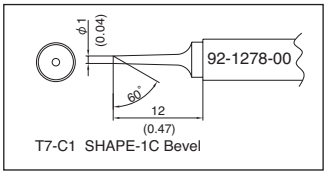
T7-D08 SHAPE-0.8D Chisel



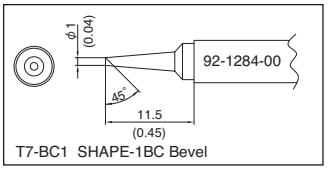
T7-D12 SHAPE-1.2D Chisel



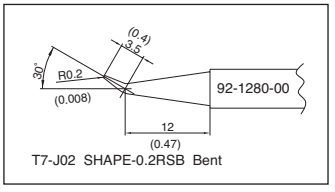
T7-D24 SHAPE-2.4D Chisel



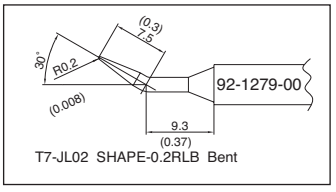
T7-C1 SHAPE-1C Bevel



T7-BC1 SHAPE-1BC Bevel



T7-J02 SHAPE-0.2RSB Bent



T7-JL02 SHAPE-0.2RLB Bent

Part Number	Hakko No.	Price per ea.
92-1262-00	T7-B	15.98
94-0346-00	T7-I	22.90
92-1287-00	T7-D08	15.98
94-0345-00	T7-D12	22.60
92-1286-00	T7-D24	15.98

Part Number	Hakko No.	Price per ea.
92-1284-00	T7-BC1	15.98
92-1278-00	T7-C1	21.29
92-1280-00	T7-J02	15.97
92-1279-00	T7-JL02	21.29

HAKKO 472D DESOLDERING TOOL

Desoldering process control made easy with the Hakko control card. The Hakko 472D comes with a control card. Use the card to enter temperature settings into the system memory. When the card is removed, all parameter settings and the temperature setting are"locked" in the system memory. This not only provides strict process control but also guards against operators making inadvertent changes.

- The Hakko 472D provides a pencil-type desoldering tool with powerful suction power.
- The short straight heating element aids in ease of operation
- The output circuit is isolated from the power input and insulated transformer.
- ESD Safe by design.
- Zero crossover switching on motor

Part No.	472D-01
Output Voltage	24V AC
Power Consumption	110W
Vacuum Generator	Vacuum pump, double cylinder type
Vacuum Pressure	80 kPa (600 mmHg) (24 in. Hg)
Suction Flow	15 l/min.
Motor Output	18W
Outer Dimensions	160 x 148 x 263 mm (6.3 x 5.83 x 10.35 in.)
Weight	Approx. 4.6 kg (10.13 lbs.)

Desoldering Handpiece

Model Name	807
Part No.	C1091
Heating Element	Ceramic Heater
Power Consumption	24V AC/60W
Nozzle-to-Ground Resistance	Under 2 ohms
Nozzle-to-Ground Potential	Under 2 mV
Temperature	350°C - 450°C (662°F - 842°F)
Standard Nozzle	A1003 (Nozzle dia. 1.0mm)
Length	250 mm (8.07 in.)
Weight (w/o cord & hose)	

Part Number		Price per ea.
92-1218-00	Hakko 472D-01 Desoldering Tool	625.90

HAKKO 808 DESOLDERING TOOL

The Hakko 808 is a handy, portable desoldering tool with a built-in vacuum pump. No separate station is required.

Thin, comfortable grip and low vibration. This unique Hakko design places the pump and motor above, not inside, the grip. Vibration is kept to a minimum, and the grip is thin and easy to hold. Delicate tasks are performed with greater ease; the tool can be used for long periods without operator fatigue.

Simple and inexpensive pump maintenance. The new, miniature, high-performance diaphragm pump is housed in the chamber at the rear of the Hakko 808. Pump maintenance is quick and easy-simply remove the cover. If repairs are ever needed, replacement parts are inexpensive.

- Tip-to-ground potential difference no greater than 2mV.
- Tip-to-ground resistance no greater than 2 ohms.
- Adjustable temperature control (380°C - 480°C / 715°F - 895°F).
- Includes Carrying Case and Hot Sock (PN: Carrying Case - C1099 and Hot Sock - 605M)

Specifications

Part No.	808-KIT/P
Power Consumption	100W
Heating Element	Ceramic heater
Motor Output	6.5W
Temperature	380°C - 480°C (715°F - 895°F)
Tip to Ground Resistance	Under 2 ohms
Tip to Ground Potential	Under 2mV
Vacuum Pump	Double-cylinder diaphragm pump
Vacuum Pressure	600 mmHg (24 in. Hg)
Suction Flow	10 l/min.
Dimensions (w/o Case) (6.7(H) x 9.3(W) in.)	170(H) x 235(W) mm
Weight (w/o Case)	420 g (0.9 lb.)
Standard Nozzle	A1005 (Nozzle dia. 1.0mm)

Part Number		Price per ea.
92-1253-00	Hakko 808 Desoldering Tool	224.95

HAKKO 493 SMOKE ABSORBER

- Soldering work involves both metallic and organic compounds; the solders themselves, and the fluxes necessary for soldering. These compounds release noxious fumes when heated, which can lead to both short and long term operator irritations and illness.
- The Hakko 493 is designed to remove these noxious fumes quickly, safely, and efficiently.
- The replaceable filter is made by joining a specific urethane foam with refined, activated high absorption carbon.
- The fan is fully adjustable, quiet, and efficient.

ESD safe by design. The entire unit is processed with a non-sloughing static dissipative conductive material.

Absorption Capacity

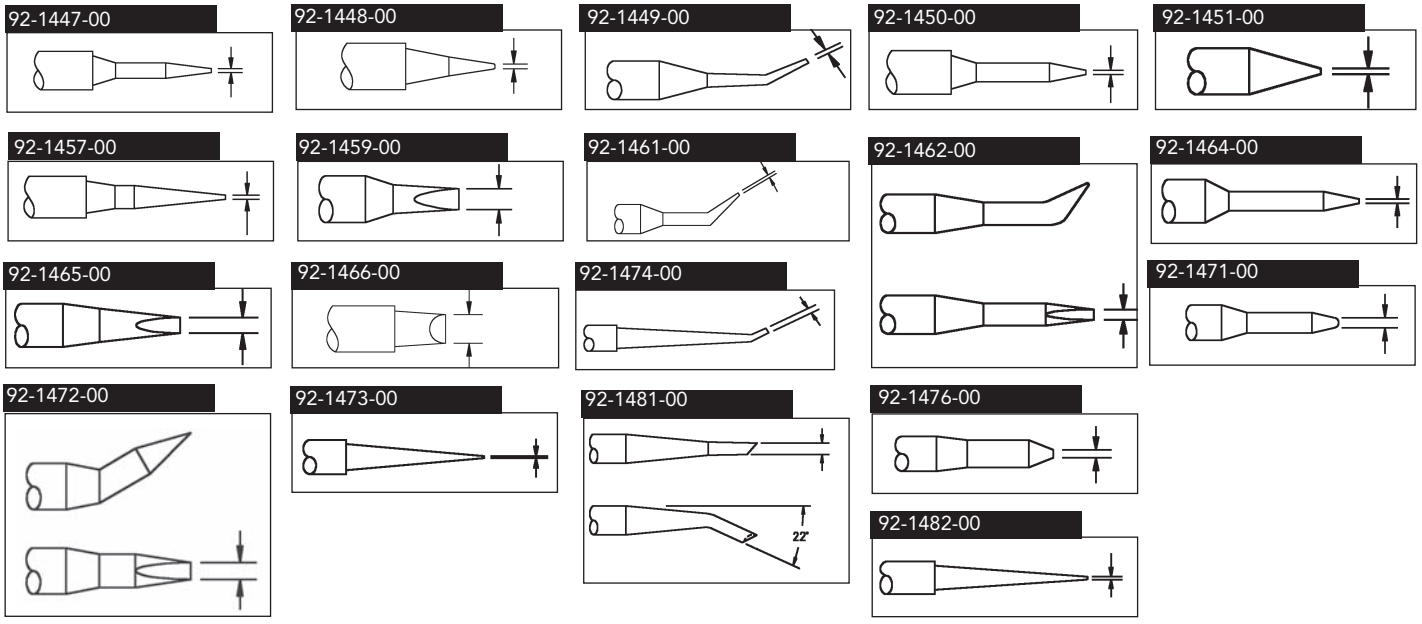
	(w/o filter)	Approx. 1.07m?/min. (37.79 ft?/min.)
Outer Dimensions		220(W) x 270(H) x 168(D) mm 8.7(W) x 10.6(H) x 6.6(D) in.)
Weight		1.5 kg (3.3 lbs.)
Accessories		Filter (3 pcs.)
Activated-Carbon Filter		
Size		130 x 130 x 10 mm (5.1 x 5.1 x 0.4 in.)
Amount of Activated-Carbon filter		12 g (0.03 lb.)

Max. Absorbing weight of noxious components per filter 4 g (0.01 lb.)

Part Number		Price per ea.
92-1260-00	Hakko 493 Smoke Absorber	118.67

PACE HEATWISE™ AND TEMPWISE™ TIPS

- Wide variety of long life tips
- Superior heat transfer capability



Part Number	Ref. No.	Description	SIZE - L	SIZE - D	Price per ea.
92-1447-00	1124-0001-P1	1/32" Conical Sharp Extended	13.4mm (0.530")	0.80mm (0.031")	9.41
92-1448-00	1124-0002-P1	1/64" Conical Sharp	8.3mm (0.330")	0.40mm (0.016")	9.42
92-1449-00	1124-0003-P1	1/64" Conical Sharp Bent 30 Degrees	7.8mm (0.310")	0.40mm (0.016")	9.59
92-1450-00	1124-0004-P1	1/64" Conical Sharp Extended	13.5mm (0.535")	0.40mm (0.016")	9.41
92-1451-00	1124-0005-P1	1/32" Conical	4.7mm (0.188")	0.80mm (0.031")	9.10
92-1457-00	1124-0011-P1	1/64" 60 Degree Bevel	14.7mm (0.580")	0.40mm (0.016")	9.59
92-1459-00	1124-0013-P1	3/32" 30 Degree Chisel	9.9mm (0.390")	2.40mm (0.094")	9.59
92-1461-00	1124-0015-P1	1/64" Conical, Sharp, Bent 30 Degrees Extended	15.8mm (0.625")	0.40mm (0.016")	9.59
92-1462-00	1124-0016-P1	3/64" Chisel Bent 30 Degrees	10.7mm (0.425")	1.20mm (0.047")	9.59
92-1464-00	1124-0018-P1	1/32" Conical Sharp Extended	16.7mm (0.660")	0.80mm (0.031")	9.59
92-1465-00	1124-0019-P1	1/16" 30 Degree Chisel	9.9mm (0.390")	1.60mm (0.063")	9.59
92-1466-00	1124-0020-P1	1/8" 90 Degree Chisel	4.8mm (0.190")	3.20mm (0.125")	10.09
92-1471-00	1124-0025-P1	1/16" Conical Sharp Extended	12.1mm (0.478")	1.60mm (0.063")	8.60
92-1472-00	1124-0026-P1	1/16" Chisel Bent 30 Degrees	9.7mm (0.385")	1.60mm (0.063")	9.58
92-1473-00	1124-0027-P1	3/128" Conical Sharp	15.2mm (0.600")	0.60mm (0.023")	9.59
92-1474-00	1124-0028-P1	3/64" Chisel, Bent 30 Degrees, Extended	21.8mm (0.860")	1.20mm (0.047")	8.59
92-1476-00	1124-0030-P1	1/32" Conical Sharp	9.9mm (0.390")	0.80mm (0.031")	8.19
92-1481-00	1124-0035-P1	Angled MiniWave, 2.4mm	N/A	3.04mm (0.12)	8.19
92-1482-00	1124-0036-P1	1/128" Conical	N/A	0.19mm (0.007)	8.19

PACE MBT 201A SOLDERING / DESOLDERING SYSTEM

- Analog High Performance SensaTemp Soldering/Desoldering Station
- Self-contained, high capacity, low temperature SMT/Thru-Hole soldering with dual channel capability
- Full SMT upgradeability by adding our other SensaTemp hand pieces (TJ-70 ThermoJet, TP-65 ThermoPik or DTP-80 Dual ThermoPik).
- AUTO Snap-VAC improves thru-hole desoldering performance, increases tip life—a PACE EXCLUSIVE feature
- QUIET FLO" pump for vacuum and pressure
- Dual channel capability
- Controllable Air Pressure Port

Specifications

Unit:	MBT 201-SD MBT 201E-SD
Power Requirements:	115VAC, 60Hz, 230VAC, 50/60Hz, 184 Watts maximum 207 Watts maximum
Dimensions:	135mm H x 165mm W x 203mm D (5.3" H x 6.5" W x 8.0" D)
Weight:	Approx. 4 Kg (8 lbs.) Approx. 4 Kg (8 lbs.)
Handpiece Specs	
Tip to ground resistance:	2 ohms or less
Temperature stability:	± 1.1°C (± 2°F) at idle from set tip temp.
Tip Temperature Range:	232° to 482°C (450° to 900°F) nominal
Vacuum and Air	
Vacuum Rise Time:	200ms average as measured by PACE Process Monitor
Vacuum:	51 cm Hg. (20 in. Hg.) nominal
Pressure:	.48 Bar (7 p.s.i.) nominal at maximum setting
Air Flow:	9 SLPM (0.32 SCFM) maximum

Part Number		Price per ea.
92-1441-00	PACEMBT 201A Soldering/Desoldering System	850.00

PACE MBT 250-SDTP SOLDERING/DESOLDERING STATION

- Self-contained, three channel capability offers high capacity, low temperature SMT/Thru-Hole soldering and desoldering
- Digital readout displays the current channel's temperature information, error codes and programming status
- AUTO Snap-VAC improves thru-hole desoldering performance, and increases tip life—a PACE EXCLUSIVE feature
- "QUIET FLO" pump for vacuum and pressure
- Operates any three SensaTemp hand pieces simultaneously
- Automatic or manual tip temperature setback and power down, constant memory
- Automatic tip offset compensation system

Specifications

Power Requirements:	115VAC, 60Hz, 230VAC, 50/60Hz, 184 Watts maximum 207 Watts maximum
Dimensions:	135mm H x 165mm W x 260mm D 135mm H x 165mm W x 260mm D (5.3" H x 6.5" W x 9.25" D) (5.3" H x 6.5" W x 9.25" D)
Weight:	Approx. 5 Kg (10 lbs.) Approx. 5 Kg (10 lbs.)
Hand Piece Specs	
Tip to ground resistance:	2 ohms or less
Temperature stability:	± 1.1°C (± 2°F) at idle from set tip temp.
Tip Temperature Range:	38° to 482°C (100° to 900°F) nominal
Vacuum and Air	
Vacuum Rise Time:	200ms average as measured by PACE Process Monitor
Vacuum:	51 cm Hg. (20 in. Hg.) nominal
Pressure:	.48 Bar (7 p.s.i.) nominal at maximum setting
Air Flow:	9 SLPM (0.32 SCFM) maximum

Part Number		Price per ea.
92-1440-00	Pace Mbt 250-SDTP Soldering/Desoldering Station	1943.65

PACE MBT 250-SD SOLDERING/DESOLDERING SYSTEM

- High Performance SensaTemp Soldering/Desoldering Station
- Self-contained, three channel capability offers high capacity, low temperature SMT/Thru-Hole soldering and desoldering
- Digital readout displays the current channel's temperature information, error codes and programming status.
- AUTO Snap-VAC improves thru-hole desoldering performance; increases tip life—a PACE EXCLUSIVE feature
- "QUIET FLO" pump for vacuum and pressure
- Operates any three SensaTemp handpieces simultaneously
- Automatic or manual tip temperature setback and power down, constant memory
- Automatic tip offset compensation system

Specifications

Power Requirements:	115VAC, 60Hz, 230VAC, 50/60Hz, 184 Watts maximum 207 Watts maximum
Dimensions:	135mm H x 165mm W x 260mm D 135mm H x 165mm W x 260mm D (5.3" H x 6.5" W x 9.25" D) (5.3" H x 6.5" W x 9.25" D)
Weight:	Approx. 5 Kg (10 lbs.) Approx. 5 Kg (10 lbs.)
Hand Piece Specs	
Tip to ground resistance:	2 ohms or less
Temperature stability:	± 1.1°C (± 2°F) at idle from set tip temp.
Tip Temperature Range:	38° to 482°C (100° to 900°F) nominal
Vacuum and Air	
Vacuum Rise Time:	200ms average as measured by PACE Process Monitor
Vacuum:	51 cm Hg. (20 in. Hg.) nominal
Pressure:	.48 Bar (7 p.s.i.) nominal at maximum setting
Air Flow:	9 SLPM (0.32 SCFM) maximum

Part Number		Price per ea.
92-1439-00	Pace MBT 250-SD Soldering/Desoldering System	1390.50

PACE ST25 ANALOG SOLDERING STATION

- Analog SensaTemp Soldering Station
- High capacity SMT/Thru-hole soldering
- Adjustable °F/ °C temperature control dial
- Temperature/dial lock
- Modular stacking capabilities
- Ref. No 8007-0371

Specifications

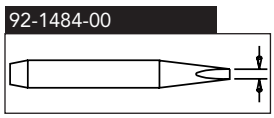
Unit:	ST 25
Power Requirements:	97-127 VAC, 50/60 Hz, 90 197-253 VAC, 50/60 Hz, 80 Watts maximum at 115 VAC, 60Hz Watts maximum at 230 VAC, 50Hz
Dimensions:	88mm H x 114mm W x 165mm D 88mm H x 114mm W x 165mm D (3.5" H x 4.5" W x 6.5" D) (3.5" H x 4.5" W x 6.5" D)
Weight:	Approx. 2.3 Kg (5 lbs.) Approx. 2.3 Kg (5 lbs.)

Hand Piece Specs

Tip to ground resistance:	2 ohms or less
Temperature stability:	± 1.1°C (± 2°F) at idle from set tip temp.
Tip Temperature Range:	204° to 454°C (400° to 850°F) nominal

Part Number		Price per ea.
92-1444-00	PACE ST25 Analog Soldering Station	158.10

PACE PS-80/90 TIPS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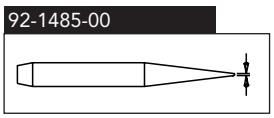
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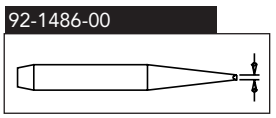
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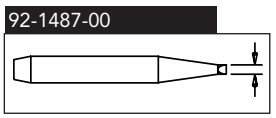
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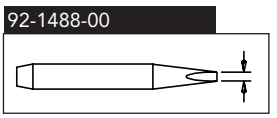
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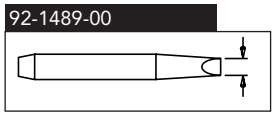
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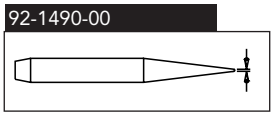
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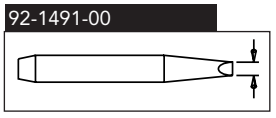
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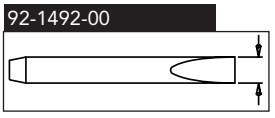
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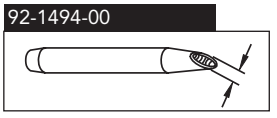
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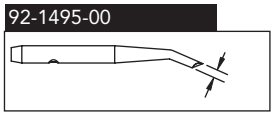
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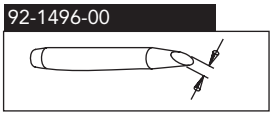
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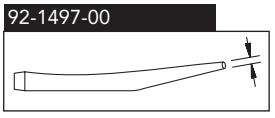
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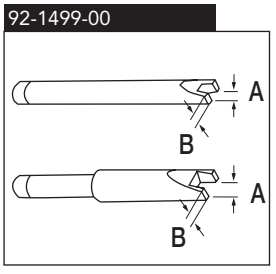

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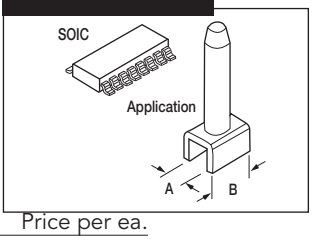

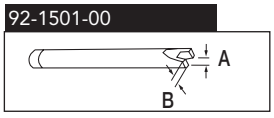

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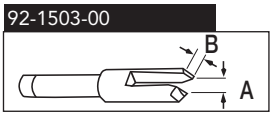
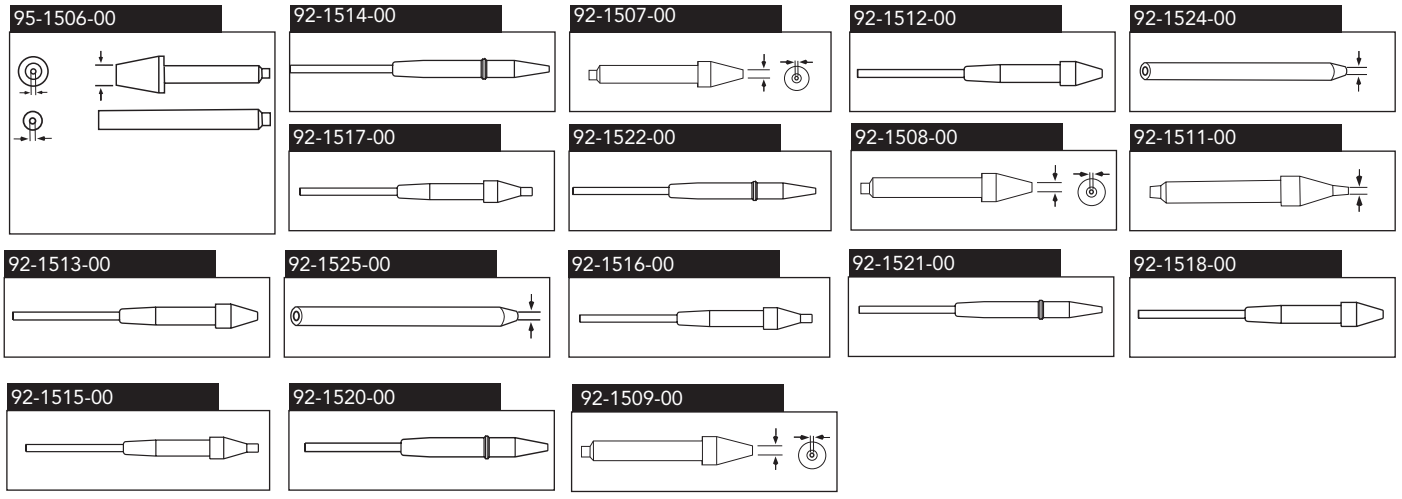


92-1503-00

Part Number	Ref. No.	Description	Pkg Qty	Price per ea.
92-1484-00	1121-0414-P5	1/16" Chisel (High Conductivity)	5	32.25
92-1485-00	1121-0357-P5	1/64" Conical	5	32.25
92-1486-00	1121-0336-P5	1/32" Conical	5	32.25
92-1487-00	1121-0335-P5	1/16" Chisel	5	31.68
92-1488-00	1121-0499-P5	1/16" Chisel (Extended Reach)	5	32.25
92-1489-00	1121-0337-P5	1/8" Chisel	5	32.25
92-1490-00	1121-0359-P5	1/32" Chisel	5	32.25
92-1491-00	1121-0360-P5	3/32" Chisel	5	28.38
92-1494-00	1121-0490-P5	Mini-Wave	5	40.39
92-1495-00	1121-0610-P5	Angled Mini-Wave	5	40.39
92-1496-00	1121-0406-P5	Single Sided Chisel	5	32.25
92-1497-00	1121-0564-P5	Mini-Wave, Fine Pitch	5	34.51
92-1499-00	1121-0303-P1	Surface Mount Chip Removal,.14x0.8	1	16.59
92-1500-00	1121-0392-P1	SOIC-16 Removal	1	39.95
92-1501-00	1121-0302-P1	Surface Mount Chip Removal	1	17.25
92-1502-00	1121-0390-P1	SOIC-8 Removal	1	33.76
92-1503-00	1121-0304-P1	SOT-23	1	17.34
92-1504-00	1121-0391-P1	SOIC-14 Removal	1	39.95

PACE DESOLDERING TIPS FOR SX-70 AND SX-80

- Sold in packages only



Part Number	Ref. No.	Size	Description	Pkg Qty	Price per ea.
92-1506-00	1121-0369-P5	3/16" O.D.	Flo-D-Sodr Tip	5	31.67
92-1514-00	1121-0680-P5	0.020" ID	Precision Endura Tip	5	25.33
92-1507-00	1121-0367-P5	0.030" ID	Thermo-Drive Desoldering Tip	5	37.08
92-1512-00	1121-0625-P5	0.030" ID	Thermo-Drive Endura Tip	5	52.03
92-1524-00	1121-0253-P5	0.030" ID	Micro Tip	5	12.36
92-1517-00	1121-0628-P5	0.030" ID	Thermo-Drive Endura Tip	5	49.45
92-1522-00	1121-0678-P5	0.030" ID	Precision Endura Tip	5	24.95
92-1508-00	1121-0342-P5	0.040" ID	Thermo-Drive Desoldering Tip	5	37.08
92-1511-00	1121-0494-P5	0.040" ID	Extended Reach Thermo-Drive Tip	5	36.19
92-1513-00	1121-0624-P5	0.040" ID	Thermo-Drive Endura Tip	5	49.50
92-1525-00	1121-0254-P5	0.040" ID	Micro Tip	5	14.47
92-1516-00	1121-0629-P5	0.040" ID	Thermo-Drive Endura Tip	5	42.23
92-1521-00	1121-0679-P5	0.040" ID	Precision Endura Tip	5	24.88
92-1528-00	1121-0216-P25	0.050" ID	Super Tip (Not Shown)	25	30.00
92-1518-00	1121-0626-P5	0.060" ID	Thermo-Drive Endura Tip	5	49.50
92-1515-00	1121-0630-P5	0.060" ID	Thermo-Drive Endura Tip	5	44.37
92-1520-00	1121-0690-P5	0.060" ID	Precision Endura Tip	5	22.73

PACE SX-70 AND SX-80 SUPPLIES

Part Number	Ref. No.	Description	Price per pkg.
92-1529-00	1309-0018-P50	SX-70 Sodr-X-Tractor Filters, Pkg 50	18.26
92-1530-00	1309-0018-P10	SX-70 Sodr-X-Tractor Filters, Pkg 10	4.71
92-1531-00	1265-0009-P1	SX-70 Glass Chamber, Pkg 1	10.86
92-1532-00	1127-0006-P5	SX-70 Wire Brush 1/8", Pkg 5	20.60
92-1533-00	6010-0080-P1	SX-70 Heater And Seal Assembly, Pkg 1	97.82
92-1541-00	1127-0014-P5	SX-70 Wire Brush 3/16", Pkg 5	18.70
92-1535-00	6010-0106-P1	SX-80 Hand Piece, Pkg 1	282.16
92-1537-00	1309-0054-P10	SX-80 Flux/Sodr Trap, Pkg 10	13.28
92-1538-00	1309-0054-P100	SX-80 Flux/Sodr Trap, Pkg 100	117.27
92-1539-00	6010-0107-P1	SX-80 Heater Assembly, Pkg 1	87.78
92-1540-00	1213-0087	SX-80 Front Seal, Pkg 1	5.20
92-1541-00	1500-0063	SX-80 Plunger Lock, Pkg 1	18.70
92-1543-00	1309-0028	Replaceable Visifilter, Pkg 1	14.35
92-1544-00	1309-0027-P10	Replaceable Visifilter, Elements, Pkg 10	10.53
92-1545-00	1309-0027-P25	Replaceable Visifilter, Elements, Pkg 25	24.77

PACE SENSA TEMP SUPPLIES

Part Number	Ref. No.	Description	Price per ea.
92-1559-00	6993-0238-P1	PS-90 Hand Piece, Tip and Tool Stand	131.44
92-1560-00	6010-0095-P1	PS-80/90 21V Heater Assembly	56.65
92-1561-00	4021-0008-P3	Sponge for PS-80/90 Tip and Tool Stand, Pkg 3	11.48
92-1562-00	1100-0206	Tip Tool	11.75
92-1563-00	6993-0138	Tip Maintenance Station with Fiber and Sponge Tool	94.70
92-1566-00	1348-0547-P10	Set Screws for All Sensa Temp Hand Pieces, Pkg 10	11.75

SENCORE PR570 POWERITE II

Identify And Troubleshoot Virtually Any AC Supply Problem!

- Insure your safety and the safety of your test instruments whenever servicing electronic products
- Have complete confidence your AC line is right with the AC line monitor
- Watch voltage levels and current draw with simultaneous current and voltage displays
- Conquer AC power source problems plus startup, shutdown, and regulator failures with a digitally accurate
  and variable 0-140 volt AC supply
- An adjustable current trip feature minimizes expensive parts damage by automatically removing AC power when excessive current is being drawn
- An adjustable current trip feature minimizes expensive parts damage by automatically removing AC power when excessive current is being drawn
- Test AC outlets with an exclusive receptacle checker to ensure correct earth grounding for the highest level of safety
- Protect your customers from electrical shock and protect your business from lawsuit with an automatic, auto-toggling AC line and safety ground leakage test (leakage to 10 micro amps)

Isolated Output - VOLTAGE: 0-140 VAC typical at 117 VAC input, continuously variable. CURRENT: 3 amps continuous; 3-4 amps, 470 watts maximum intermittent use (5 minutes on, 5 minutes off). OUTPUT LOADING: Less than 12 volts drop in output with 3 amp load at 120 VAC.

AC Volts Functions - AC LINE VOLTAGE TESTS: Measures and displays the selected voltage: Hot to External Earth Ground, Hot to Safety Ground or Hot to Neutral. RANGE: 0-150 VAC. ACCURACY: ±3% reading ±2 counts, calibrated at 117 VAC. RESOLUTION: 1 volt. PROTECTION: 240 VAC. ISOLATED OUTPUT VOLTAGE: Measures and displays voltage at isolated output. Same as Line Voltage Tests.

Output Current Monitor - MEASUREMENT: True Power. RANGE: 0 to 470 watts. ACCURACY: ±5% of reading, ±2 counts. RESOLUTION: 1 watt.

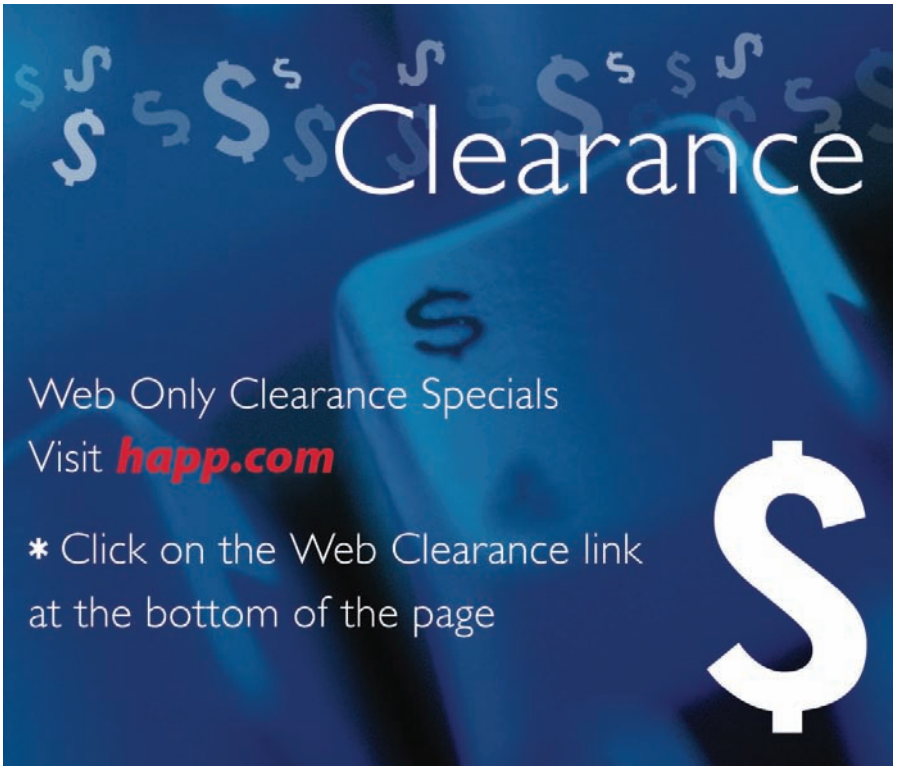
Adjustable Current Trip - RANGE: 0-4 amps. ACCURACY: ±10% of reading, ±20 mA. RESOLUTION: Adjustable in 10 mA increments. TRIP TIME: 0.3 seconds max. with 200% overload.
Hot Chassis Test - MEASUREMENT: Ties high and low lead of primary together and measures leakage to exposed metal with power off. RANGE: 0 to 1999 µA. ACCURACY: ±3% of reading, ±2 counts. RESOLUTION: 1 µA. PROTECTION: 150 mA RMS, 150 V max.

Safety Leakage Test - MEASUREMENT: Referenced to either side of isolated output jack. (Automatically toggles high and low line and opens and closes safety ground and displays highest reading.) RANGE: 0 to 1999 µA. ACCURACY: ±3% of reading, ±2 counts. RESOLUTION: 1 µA. PROTECTION: 150 mA RMS, 150 V max. CAL CHECK: 100 µA, ±3% of reading, ±2 counts with isolated output at 120 VAC.

Protection - AC INPUT: 4 amps, type 3AG slo-blow fuse. ISOLATED OUTPUT: Adjustable current trip, 1 to 4 amps.

General - SIZE: 6" x 11.5" x 12" (15.2 x 25.4 x 29.2 cm) HWD. WEIGHT: 22 lbs. (10 kg). POWER: 105 to 125 VAC, 60 Hz, 4 amps idle current with no output load.

Part Number		Price per ea.
92-0312-00	Sencore PR570 PowerRite II	895.00



SENCORE CM2125 COMPUTER MONITOR ANALYZER

Completely Test And Troubleshoot High Resolution And Multi-Scan Computer Monitors From The Input Connector To The CRT!

- A complete, easy-to-use, high resolution computer monitor analyzer
- Special sync-locked signal substitutor for pinpointing monitor circuit problems
- Innovative performance pattern generator
- Patented "ringer" and HV multiplier tester that finds defective:
  - yokes
  - integrated high voltage transformers (IHVT)
  - switching transformers
- Integrated 2,000 volt DCV and PPV meter eliminates the need for a DVM for complete one-unit troubleshooting
- A fully programmable scan frequency and pixel resolution RGB video generator
  - bandwidth to 125 MHz and 2048 x 2048 pixels
  - compatible with TTL, analog, and ECL video types
  - 70 monitor setup memory locations (43 preprogrammed)
  - outputs protected to prevent damage from defective computer monitors
- "Hook-up" adapters available

Part Number		Price per ea.
92-0303-00	Sencore CM2125 Computer Monitor Analyzer	3795.00

SENCORE HA325 HORIZONTAL OUTPUT & FLYBACK TESTER

- With one simple hookup, the HA325 quickly identifies what is working and what isn't, without a schematic on any CRT based display
- Automatically analyzes the horizontal output circuits and tells you if they are good or bad and suggests the parts you need to test and repair on the display
- Improves the skill of your service technicians for faster more efficient repairs. Find the horizontal output transistor or IHVT (high voltage transformer), hook up the leads and the HA 325 automatically makes the analysis
- Cuts down on replacement repair costs. Replacing parts that aren't bad can be very expensive especially when parts have to be ordered and the game remains down while parts are on order
- The HA325 helps you to quickly and accurately determine defective parts in the horizontal output circuits

Part Number		Price per ea.
92-0314-00	Sencore HA325 Horizontal Output & Flyback Tester	1799.00

DO YOU WANT TO KNOW EACH TIME YOUR ORDER SHIPS OUT?

E-mail notification and order **tracking information** is now available from Happ Contact your sales representative or e-mail our customer service department at: **info@happcontrols.com** with your account information.

SENCORE LC103 REZOLVER™ IN-CIRCUIT CAPACITOR AND INDUCTOR ANALYZER

Now Reliably Pinpoint Bad Capacitors And Inductors In-Circuit, Or Completely Analyze Them Out-Of-Circuit With Exclusive, Dynamic, Automatic Tests to EIA Standard

- Automatically tells you when further out-of-circuit tests are required.
- Tests SMT components "in-circuit" and accurately with exclusive, time-saving test accessories
- Makes all tests, compares the results to EIA standards, and tells you "GOOD" or "BAD" – automatically
- Analyzes capacitors for all four failures out-of-circuit:
  - Value from 1 pF to 20 F
  - Equivalent series resistance
  - Dielectric absorption
  - Leakage with up to 1,000 volts applied
- Analyzes inductors with exclusive patented tests for:
  - Values from 0.1 uH to 20 H
  - Opens or shorts
  - Even one shorted turn with patented
- Tests SCRs and triacs with optional SCR250 accessory

LC103 Condensed Specifications

IN-CIRCUIT TESTS (Capacitors and Inductors):

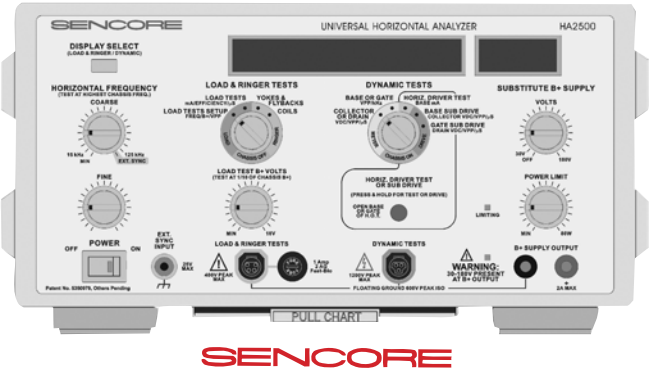
- Dynamic in-circuit tests to determine whether the component is good or bad.
- Component Types: Electrolytic, double layer lytic, tantalum, ceramic, and other capacitors.
- Yokes, flybacks, switching transformers, and coils.
- Inductor Range: 3.18 uH to 3.18 H
- Capacitor Range: 0.002 uF to 20,000 uF
- Accuracy: Same as Out-of-Circuit tests for known good inductors and capacitors with no parallel current paths.
- Suggest Removal Indication: Initiated when AC test differs from DC test by more than 20%, or if low level DCR test indicates a leakage path greater than 20% of charge current for capacitors.

Part Number		Price per ea.
92-0300-00	Sencore LC103 Rezolver™ In-Circuit Capacitor and Inductor Analyzer	2495.00

SENCORE HA2500 UNIVERSAL HORIZONTAL ANALYZER

Now Everything You Need To Localize Horizontal And B+ Supply Defects In Computer Monitors In Less Time And More Profitably Than Ever Before!

- Unique frequency lock and variable horizontal frequency use allows you to quickly service all horizontal circuits no matter the frequency
- Patented "ringer" proves the condition of flybacks and yokes in seconds - even a single shorted turn
- Variable-current limited & protected B+ substitute power supply permits testing of horizontal stages even when the power supply is dead
- Exclusive "Horizontal Output Load Test" makes setup and testing a snap - even without applying AC power for more accurate estimates, fewer damaged replacement parts, and faster diagnosis and repair
- Exclusive "Dynamic Tests" help you analyze the horizontal circuit in powered-up conditions to catch even subtle defects in the power supply, noise, and drive signal
- Portable and field rugged to go on location when bringing the defective product to your bench isn't feasible



HA2500 Condensed Specifications:

HORIZONTAL FREQUENCY GENERATOR
FUNCTION: - Squarewave generator for Load Tests and Sub Drive functions.
FREQUENCY RANGE: 15 kHz to 125 kHz

EXTERNAL SYNC INPUT:
INPUT SIGNALS: - Horizontal Sync, Composite Sync, Composite Analog Video (± Polarity)
FREQUENCY RANGE: 15 kHz - 125 kHz
SENSITIVITY: Composite Analog Video > .5 VPP Horiz. or Composite Sync > 2 VPP

HORIZONTAL OUTPUT LOAD TEST B+ POWER SUPPLY
VOLTAGE RANGE: - 0 - 18 VDC ± 0.5 volts.
CURRENT LIMIT: 250 mA ± 10%

HORIZONTAL OUTPUT LOAD TEST SETUP
EXCITATION DRIVE: Squarewave 50% duty cycle ± 2%
B+ VOLTS RANGE: 0 - 19.9 volts
VPP RANGE: autoranged 0 - 400 VPP

HORIZONTAL OUTPUT LOAD TESTS
B+ mA RANGE: 0 - 250 mA
TIME µS RANGE: 0.1 µS - 50 µS
TIME µS TRIGGER LEVEL: 5% ± 1% of pos. pulses with VPP > 10 VPP

RINGER TEST
FUNCTION: Approximate coil "Q" determined by exciting the coil and counting ringing cycles to a damped level.

DYNAMIC TESTS (Collector or Drain Meter)
VDC RANGE: Autoranged, 0- 400 volts
VPP RANGE: Autoranged, 0 VPP to 1500 VPP
TIME µS RANGE: 0 - 50 µS
TIME µS TRIGGER LEVEL: 5% ± 1% of pulse VPP >20 VPP

DYNAMIC TESTS (Base or Gate Meter)
VPP RANGE: 0 VPP to 50 VPP

DYNAMIC TESTS (Horizontal Driver Test)
FUNCTION: Measures the horizontal driver stage output current capability by simulating a low impedance base/emitter transistor junction.BASE mA RANGE: 0 - 2000 mA

DYNAMIC TESTS (Sub Drive)
FUNCTION: Substitute drive optimized to properly drive the base or gate of any horizontal output transistor.
BASE SUB OUTPUT: Squarewave 50%, -2/+6% duty cycle
GATE SUB OUTPUT: Squarewave, 50% duty cycle ±2%

SUBSTITUTE B+ SUPPLY
VOLTAGE RANGE: 30 volts to 180 volts
POWER OUPUT: 2 amps ± 10% to 40 volts, 80 watts ± 10% over 40 volts
POWER LIMIT RANGE: 3 watt (min.) to 80 watt

GENERAL
FLOATING GROUND ISOLATION:
600 volts (DC + peak AC) from "-" terminal to chassis ground with 500 µA
DIGITAL DISPLAY: Vacuum fluorescent matrix, 40 x 2
AC POWER: 105 to 125 VAC 50/60 Hz. May be factory converted to 220 VAC. SIZE: 6" X 11.5" X 15.5" (15.2 X 29.1 X 39.3 cm) HWD
WEIGHT: 14 lbs. (6.4 kg.)

All specifications allow for 20 minutes of warm-up and are guaranteed at 15 to 35 degrees C.

Part Number		Price per ea.
92-0313-00	Sencore HA2500 Universal Horizontal Analyzer	2895.00

SENCORE CR7000 "BEAM-RITE" MONITOR ANALYZER AND REJUVENATOR

Easily Test and Restore CRTs With The Most Complete Tests Available

- Guaranteed to restore one to two years of extra CRT life
- Keeps older monitors "revenue productive"
- Accurately tests all CRTs to manufacturer specifications, including all gaming and amusement CRTs, all surveillance and sport book CRTs, and all projection CRTs; over 6000 types!
- Complete testing and rejuvenation takes less than 9 minutes right at the game site
- 1 year Sencore warranty on parts and labor
- Toll FREE technical support at 1-800-SENCORE

The easiest to use CRT tester on the market

- Simply connect one of the six supplied adapters to test virtually all new CRTs without setting and resetting cumbersome setup switches
- Tests all three guns of color CRTs, with simultaneous display of test results
- All test results are displayed with interpretation-free "Good/Bad" results

The most accurate and thorough tests of any CRT tester

- Exclusive sliding "Good/Bad" scale duplicates manufacturer's test for the most accurate test results available
- Exclusive "Low Level" and "High Level" tracking tests locate color tracking problems
- Detects all gun element shorts or leakage

The safest and most effective restoration techniques available

- "Progressive Restoration" guarantees the safest possible restoration
- Six levels of "Progressive Restoration"
- Self-limiting shorts removal function
- Three times the restoration range of other testers providing mild current for marginal guns all the way to the Rejuv level for tough jobs

Newly designed sockets allow easy connection to hard-to-reach CRTs

- New socket design allows the user to test projection TVs and computer monitors faster and easier

Part Number		Price per ea.
92-0299-00	Sencore CR7000 Beam-Rite Monitor	1995.00

Visit Our Web Site:

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for NEW Product Updates!!

SENCORE SC3100 "AUTO TRACKER" AUTOMATIC 100 MHZ WAVEFORM & CIRCUIT ANALYZER

Now Touch And Test Any Circuit Test Point And Make Autoranged Error Free Measurements In a Fraction of the time!

- A complete waveform and circuit analyzing system in one instrument
- Integrated measurements of all circuit parameters provides fast troubleshooting answers
- Exclusive autoranged timebase and vertical attenuators eliminate wasted time
- All functions microprocessor integrated for ease-of-use
- Auto-Tracking™ digital readout of waveform voltage and frequency with one probe connection
- Full performance, 100 MHz dual trace oscilloscope
- Digital delta measurements to analyze every portion of any waveform

Specifications:

Vertical Amplifiers - DISPLAY MODES: Channel A, inverted channel A (-A), channel B, dual trace (A&B), algebraic sum (A+B) or difference (B-A), vector (X-Y). CALIBRATION ACCURACY: ±3% at 1 kHz. FREQUENCY RESPONSE (100 MHz): AC coupled: ±3 dB of 1 kHz level from 10 Hz to 100 MHz, usable to 150 MHz. SENSITIVITY: 20 mV/div. to 200 V/div. with supplied 39G292 10X probe; 2 mV/div. to 20 V/div. with (optional) DP270 Direct Probe. MAXIMUM INPUT PROTECTION: Supplied 39G292 10X Probe: 2500 volts breakdown (DC + Peak AC).

Horizontal Sweep - SWEEP RATES: 100 milliseconds/division to 20 nanosecond/division. Autorange automatically selects sweep rate to show approximately 2-5 cycles of waveform. ACCURACY: ±3%.

Trigger Circuits - TRIGGER SOURCE: CH A, CH B, AC power line, or external. TRIGGER MODES: NORM, AUTO, TV.

Auto-TrackingTM Digital Tests - DC Volts: DCV FUNCTION: Provides direct reading of DC voltage on selected channel.

ACCURACY: ±0.5% ±2 digits.

Peak-to-Peak Volts - VPP FUNCTION: Provides direct reading of peak-to-peak voltage on selected channel with either X10 or direct probes. ACCURACY: ±2% ±4 counts. FREQUENCY RESPONSE: ±0.5 dB from 20 Hz to 30 MHz,?-3 dB at 100 MHz.

AC Volts - ACV FUNCTION: Calculates RMS sinewave value from PPV measurement. dBm FUNCTION: Calculates dBm measurement from PPV sinewave measurement, referencing 1 mW across 600 Ohms (0 dBm =.7746 volts RMS).

Frequency - Automatically displays the frequency of the signal on selected channel. RANGES: 10.00 Hz to 150 MHz.

ACCURACY: .001% ±1 digit.

Delta Peak-to-Peak - Measures amplitude of intensified area on selected channel.

Delta Time - Measures time of intensified waveform portion.

1/Delta Time - Converts Delta Time reading to equivalent frequency.

Delta DC Volts - FUNCTION: Measures DC voltage level of marked waveform point in respect to ground using the PPV and DCV functions. MARKER: Fully adjustable over entire range of waveform.

Digital Meter Tests - Ohms FUNCTION: Provides in- or out-of-circuit ohms. RANGES: 0.00 to 100 M Ohms. ACCURACY: 0.2% ±2 digits.

Continuity Test - Provides audible tone of continuity. RANGE: 0 to 199 Ohms. Audible tone turns on if resistance is <10 Ohms and turns off if resistance is >15 Ohms, ±2 Ohms.

DC Current - Provides measurement of DC current. RANGES: .001 to 1.99 amp ACCURACY: 0.3% ±2 digits.

General - SIZE: 7.25" x 13.75" x 15" HWD (18.4 x 34.9 x 38.1 cm). WEIGHT: 25 lbs (9.33 kg.). POWER: 105 to 125 VAC, 50/60 Hz.

Part Number		Price per ea.
92-0308-00	Sencore SC3100 "Auto Tracker" Analyzer	3295.00

DIGITAL MULTIMETER WITH AUTOMATIC POLARITY FUNCTION

- Easy to read 3 1/2 digit LCD display
- Measurements: DC current up to 10A, AC and DC voltage up to 600V, resistance up to 2 Mohm
- Diode, transistor and continuity test with buzzer
- Data-hold function and backlight
- Protective yellow holster included
- Dimensions: 2.7" x 5.4" x 1.2"
- Operates on one 9V battery (included)
- Low battery indicator
- Overload protected
- Includes red and black test leads, instruction manual
- Velleman ref. no. DVM850BL
- High quality at an amazing price!

Part Number		Price per ea.
49-6122-00	Digital Multimeter with Automatic Polarity Function	18.95

Tester Specifications

DC Voltage	200m/2/0/100
AC Voltage	200/600 DC
Current	200µ/2m/20m/200m/10A
Resistance	200/2k/20k/200k/2M

FLUKE 170 SERIES DIGITAL MULTIMETERS

- Lifetime Warranty
- IEC 1010 CAT IV 600V, CAT III 1000V safety rating
- 6000 count display provides improved resolution
- True-rms ac voltage and current for accurate readings on all waveforms
- Min/Max/Average recording
- Frequency, capacitance & resistance capabilities
- The 179 has a backlight to illuminate the screen in dark workspaces
- Easy access battery door to change the battery without breaking the calibration seal
- Drop protected to 1 meter
- Over molded case features integrated probe holders
- Compatible with ToolPak™ meter hanging kit
- The 179 measures temperature in °C and °F

Part Number		Price per ea.
49-1367-00	Fluke 179 Digital Multimeter	244.75
92-1106-00	Fluke 175 Digital Multimeter	229.95

POCKET DIGITAL MULTIMETER

- Diode Test
- Audible Continuity Test
- 32M1/2 FS
- Overload Protection
- Autoranging
- Auto Power OFF
- Bar Graph
- 3 1/2 Digit LCD, 0.35" H
- 3200 Count
- 10M1/2 Input Z
- Data Hold
- Range Hold
- 1-Year Limited Warranty
- Batteries, test leads, carrying case and operating instructions included

NTE ELECTRONICS, INC.

General Specifications
Display: 3.5 Digit LCD, 0.35" high, with polarity indicator.
Overrange Indication: "OL" is displayed.
Auto Power Off: Approx. 10 min. after mode or function change.
Measurement Rate: 2 times per second.
Operating Environment: 0°C to 40°C, <70% relative humidity.
Storage Environment: -20°C to 60°C, <80% relative humidity.
Power: 1.5V button-type batteries (2) IEC LR-44, NEDA 1166A.
Low Battery Indicator: "B" is displayed.
Dimensions, Weight: 2.2" wide x 4.4" long x .41" thick (56mm x 111.5mm x 10.5mm). Net weight 3oz. (86g).

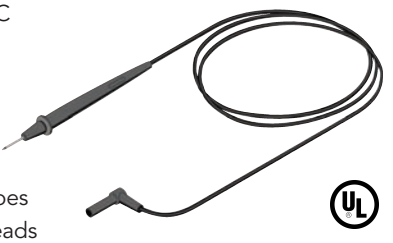
Part Number		Price per ea.
NTEDM-15	Pocket Digital Meter	33.23

15" JUMPER WIRES WITH MINIATURE ALLIGATOR CLIPS

- 10 Jumper wires, 27 AWG, 15" long
- Handy test leads with insulated alligator clips attached to ends
- Ideal for breadboarding, experiments, temporary hookups
- Package contains black, red, white, green jumpers and yellow jumpers

Part Number		Price per set
95-1809-00	15" Jumper Wires With Miniature Alligator Clips	9.05

HARD POINT TEST LEAD SET



- Comfort grip probe with PVC insulated test leads
- Extremely hard alloy tips resist wear
- Cat III, 1000V, 10A
- UL listed
- Distinctive comfort grip probes
- Economical PVC insulated leads

Part Number		Price per set
49-1762-00	Hard Point Test Lead Set	20.59

HEAVY-DUTY TEST LEAD SET

- 5 leads per set
- Alligator clips on both ends
- Colors for each cord kit are white, green, black, yellow and red
- 22" Length

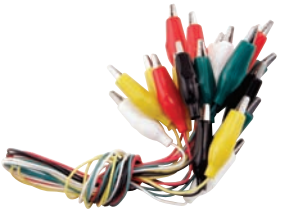
Part Number		Price per set
95-0051-00	22" Heavy Duty Test Lead Set	7.00

UNIVERSAL SOLDERLESS TEST LEAD SET

- Two 35" flexible, vinyl covered test leads, heavily insulated, 80-strand copper conductors (1 black. 1 red)
- Color coded spade lugs
- Test prod phone tips and NP phone tips
- Strong spring action alligator clips

Part Number		Price per set
92-1148-00	Universal Solderless Test Lead Set	4.45

TEST LEAD SET



- Also known as jumper cords
- 5 pair leads per set; 10 leads total
- Insulated alligator clips on both ends
- 14" length
- The colors of leads are white, green, black, yellow and red

Part Number		Price per set
49-0325-00	Test Lead Set	9.05

ALLIGATOR CLIP SET

- Set includes 5 red and 5 black alligator clips
- Rubber insulators are 1-1/2" long

Part Number		Price per set
43-0825-00	Alligator Clip Set	6.05

PAN HEAD PHILLIPS MACHINE SCREWS

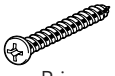
• Minimum order 100 pieces

Part Number	Description	Finish	Price per ea.
35-0257-00	2-56 x 1/4	Zinc	.18
43-0065-00	4-40 X 1/8	Zinc	.18
95-0003-00	4-40 x 1/4	Zinc	.18
43-0902-00	4-40 x 5/16	Zinc	.18
43-0137-00	4-40 x 1/2	Zinc	.18
43-0158-00	4-40 x 3/4	Zinc	.18
43-0898-00	4-40 x 7/8	Zinc	.18
43-0873-00	4-40 x 1	Zinc	.18
43-0897-00	4-40 x 1-1/2	Zinc	.18
43-0020-00	6-32 x 3/16	Zinc	.18
43-0772-00	6-32 x 1/4	Zinc	.18
43-0971-00	6-32 x 1/4 sem	Zinc	.18
42-0314-00	6-32 x 3/8	Zinc	.18
43-0290-00	6-32 x 1/2	Zinc	.18
43-0679-00	6-32 x 5/8	Zinc	.18
43-0371-00	6-32 x 3/4	Zinc	.18
43-0868-00	6-32 x 3/4 sem	Zinc	.18
43-1064-00	6-32 x 7/8	Zinc	.18
43-0326-00	6-32 x 1	Zinc	.18
43-0895-00	6-32 x 1-1/2	Zinc	.18
43-0409-00	8-32 x 1/4	Zinc	.18
43-0435-00	8-32 x 5/16	Zinc	.18
43-1319-00	8-32 x 3/8	Zinc	.18
43-0285-00	8-32 x 1/2	Zinc	.18
43-0382-00	8-32 x 5/8	Zinc	.18
43-0307-00	8-32 x 3/4	Zinc	.18
43-0327-00	8-32 x 1	Zinc	.18
43-0677-00	8-32 x 1-1/4	Black	.18
43-0754-00	8-32 x 1-1/2	Zinc	.18
43-0878-00	10-24 x 1/2	Zinc	.18
43-0184-00	10-32 x 3/8	Zinc	.18
43-0179-00	10-32 x 1/2	Zinc	.18
43-0994-00	10-32 x 3/4	Zinc	.18
43-0131-00	10-32 x 1	Zinc	.18
43-1111-00	10-32 x 1-1/2	Zinc	.18
43-0866-00	1/4-20 x 1/2	Zinc	.18
43-0862-00	1/4-20 x 3/4	Zinc	.18
43-0865-00	1/4-20 x 1	Zinc	.18
43-0864-00	1/4-20 x 1-1/2	Zinc	.18

THREAD FORMING SHEET METAL SCREWS

• Minimum order 100 pieces

• Pan head Phillips type



Part Number	Type	Description	Finish	Price per ea.
43-0436-00	B Point	#4 x 1/4	Zinc	.18
43-1027-00	A Point	#4 x 3/8	Zinc	.18
43-0064-00	High/Low	#6 x 3/8	Zinc	.18
43-1063-00	A Point	#6 x 1/2	Zinc	.18
90-1016-00	High/Low	#6 x 1/2	Zinc	.18
43-0083-00	A Point	#6 x 3/4	Zinc	.18
90-1005-00	B Point	#8 x 1/2	Zinc	.18
43-0139-00	A/B Point	#8 x 3/4	Zinc	.18
43-0885-00	A Point	#8 x 1	Zinc	.18
43-0304-00	A Point	#8 X 1-1/2	Zinc	.18
43-0883-00	A Point	#10 x 3/4	Zinc	.18

FLAT HEAD PHILLIPS SCREWS

• Minimum order 100 pieces

• Zinc plated

Part Number	Description	Price per ea.
43-0724-00	4-40 x 1/2	.18
43-0949-00	6-32 x 1/2	.18
43-0409-10	8-32 x 1/4	.18
43-0173-00	8-32 x 3/8	.18
43-0132-00	8-32 x 1/2	.18
43-1042-00	8-32 x 3/4	.18
43-0947-00	10-32 x 1/4	.18
43-0104-00	10-32 x 1-1/2	.18

HEX HEAD STEEL KEP NUTS

• Minimum order 100 pieces

Part Number	Description	Finish	Price per ea.
43-1018-00	4-40	Zinc	.20
42-0082-00	8-32	Zinc	.18
90-1204-00	10-24	Black	.18
42-0093-00	10-32	Zinc	.18
43-0984-00	5/16	Zinc	.18
43-0175-00	4MM	Zinc	.18

HEX HEAD STEEL NUTS

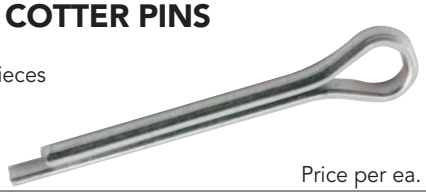
• Minimum order 100 pieces

Part Number	Description	Finish	Price per ea.
43-0163-00	2-56	Zinc	.18
43-0010-00	4-40	Zinc	.18
43-0094-00	6-32	Black	.18
43-1292-00	8-32	Zinc	.18
43-0968-00	10-24	Zinc	.18
43-0867-00	10-32	Zinc	.18
43-0903-00	1/4-20	Zinc	.18
43-0935-00	3MM	Zinc	.18
43-0175-00	4MM	Zinc	.18
43-0125-00	5MM	Zinc	.18

COTTER PINS

• Minimum order 100 pieces

• Zinc plated



Part Number		Price per ea.
42-0022-00	1/16 x 1/2	.18
43-0951-00	1/16 x 3/4	.18
43-0837-00	7/64 x 1 (univ.)	.47
43-0839-00	1/8 x 1-1/4	.18

ROLL PINS

- Carbon Steel
- Minimum order 100 pieces
- Zinc plated

Part Number	Description	Bally Ref. No.	Price per ea.
43-0912-00	1/8 x 3/4	P-1637-11	.18
43-0911-00	1/8 x 1	P-1637-2	.18
43-0910-00	5/32 x 7/8	P-1637-53	.18
43-0907-00	3/16 x 7/8	P-1637-56	.18
43-0906-00	3/16 x 1-1/2	(Hopper)	.18

NYLOCK ELASTIC STOP NUT

- Minimum order 100 pieces
- Zinc plated

Part Number		Price per ea.
43-1322-00	4-40	.14
43-0375-00	6-32	.18
43-0211-00	8-32	.18
43-0723-00	10-24	.14
43-1005-00	10-32	.18
43-0121-00	1/4-20	.18
43-0991-00	5/16-18	.18

FLAT WASHERS

- Minimum order 100 pieces
- Zinc plated

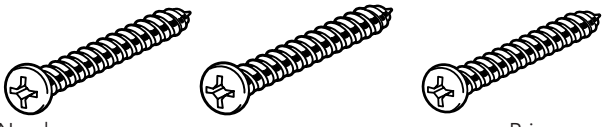
Part Number	Description	Finish	Price per ea.
90-1206-00	#4	Zinc	.18
43-0502-00	#8	Black	.18
43-0995-00	#10	Zinc	.18
43-0215-00	1/4	Zinc	.18
43-1062-00	1/4" (fender) ID x 1-1/2" OD	Zinc	.18
43-0057-00	5/16	Zinc	.18
43-0888-00	5/16" (fender) ID x 1-1/2" OD	Zinc	.18

LOCK WASHERS

- Minimum order 100 pieces
- Zinc plated

Part Number		Finish	Price per ea.
43-0202-00	#4 metric	Zinc	.18
43-0246-00	#6 metric	Zinc	.18
43-0204-00	#8 metric	Zinc	.18
43-0240-00	#10 metric	Zinc	.18
43-0343-00	1/4 split ring	Black	.18
43-0325-00	#8 split ring	Zinc	.18

MISCELLANEOUS FASTENERS



Part Number		Price per ea.
43-0871-00	#6 x 1/2 Wood Screw	.12
43-0725-00	1/4-20 x 1 Hex Head Cap Screw	.33
43-0831-00	1/4-20 x 1-1/2 Hex Head Cap Screw	1.70
43-0845-00	#6 x 1 Drywall Screw	.74
43-0849-00	3mm x 6mm Phillips Panhead M.S.	.12
43-0167-00	3mm x 10mm Phillips Panhead M.S.	.23

STAR LOCK WASHERS

- Internal and external available
- Minimum order 100 pieces

EXTERNAL

Part Number		Finish	Price per ea.
43-0874-00	#6 Internal	Zinc	.17
90-1011-99	#6 External	Zinc	.18
43-0875-00	#8 Internal	Zinc	.17
43-0324-00	#8 External	Zinc	.18
43-0037-00	#10 External	Zinc	.18
43-0545-00	1/4 Internal	Black	.17
43-0237-00	1/4 External	Zinc	.18

CARRIAGE BOLTS

- Carbon Steel
- Minimum order 100 pieces

Part Number		Price per ea.
43-0021-01	8-32 x 1/2	.31
43-0049-00	10-24 x 1/2	.18
43-0410-00	10-24 x 1	.18
43-0462-00	10-24 x 1-1/2	.18
43-0149-00	10-24 x 2	.18
43-0374-00	1/4-20 x 2	.18
43-0889-00	1/4-20 x 2-1/2	.18
43-0890-00	1/4-20 x 3-1/2	.18
43-0887-00	5/16-18 x 2	.18
43-0886-00	5/16-18 x 2-1/2	.18

E-RINGS

- Sold in eaches
- Zinc plated
- Minimum order 20 pcs.

Part Number	Mfg. Ref. No.	Description	Price per ea.
43-0528-00	————	3/32" ID	.18
43-0529-00	————	5/32" ID	.18
43-0009-00	————	1/8" ID	.18
43-0008-00	P-6316-4	3/16" ID	.18
43-0532-00	P-2891-5	11/64" ID	.18
43-0905-00	P-6316-5	7/32" ID	.18
43-0118-00	P-6316-6	1/4" ID	.18
43-0245-00	P-2891-7	5/16" ID	.18
43-0223-00	P-2891-8	3/8" ID	.22
43-0119-00	P-2891-10	1/2" ID	.18
43-0060-00	P-2891-11	5/8" ID	.18
43-0941-00	————	4mm ID	.18
43-0940-00	————	6mm ID	.18

RIVETS

- Packed in Boxes of 100
- Minimum order 100 pcs

Part Number	Size	Type	Price per ea.
43-0933-00	1/8" x 1/4" w/1/4" Head	Aluminum	.18
43-0855-00	1/8" x 3/16" w/1/4" Head	Aluminum	.18
43-0932-00	1/8" x 1/2" w/1/4" Head	Aluminum	.18
43-0930-00	1/8" x 3/8" w/1/4" Head	Aluminum	.18
43-0854-00	3/16" x 5/8"w/3/8" Head	Aluminum	.18
43-0856-00	1/8" x 1/8" w/1/4" Head	Steel	.18
43-0859-00	1/8" x 1/4" w/1/4" Head	Steel	.18
43-0931-00	1/8" x 3/8" w/1/4" Head	Steel	.18
43-0860-00	3/16" x 3/8" w/3/8" Head	Steel	.18
43-0861-00	.37 O.D. x .13 I.D. x .06T	Aluminum Washer	.18

MAGLINER® Route Distribution Solutions HAND TRUCKS

MAGLINER® Route Distribution Solutions GEMINI JR. & SR. HAND TRUCKS

Gemini Sr.

Gemini Jr.

GEMINI® THE ORIGINAL CONVERTIBLE HAND TRUCK

Specifications MAGLINER® Route Distribution Solutions	Gemini Jr. Cat. No HTGK 1834	Gemini Sr. Cat. No. HTGK 9584
Overall width	21"	21"
Frame width	12"	12"
Height, as hand truck	51"	61"
Height, as platform truck	40"	45-1/8"
Platform bed length	38"	51"
Capacity, as hand truck	500 lbs.	500 lbs.
Capacity, as platform truck	1000 lbs.	1000 lbs.
Platform height from floor approx.	10-1/2"	10-1/2"
Hand truck wheels (full pneumatic or care free)	10 x 3.50	10 x 3.50
Casters – swivel	5" x 1-1/4"	5" x 1-1/4"
Nose casting	18" x 7-1/2"	18" x 7-1/2"
Shipping weight	44 lbs.	45 lbs.

- Lightweight, high strength aluminum construction, properly balanced to assure easier wheeling and positive load control.
- Big 10" full pneumatic tires provide smooth, easy rolling over all surfaces, indoor and outdoor
- 4 wheel truck for those large, bulky loads; easily converts to a 2 wheel cart for smaller stops
- In down position, an extra platform is provided for increased load capacity
- Extra wide, cast magnesium nose plate
- All parts are replaceable, no welding
- Heavy duty aluminum deck plate is a great addition so smaller packages don't fall through when the truck is expanded to 4 wheel

Part Number		Price per ea.
33-1000-00*	Gemini Jr. with Full Pneumatic Tire	389.95
33-1001-00	Gemini Sr. with Full Pneumatic Tire	419.95
33-1281-00	Gemini Sr. with Care Free Tire	402.35

* Stair Climbers can not be used on Gemini Jr.

SHIPPED UPS OVERSIZE

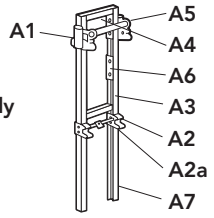
** This item is considered oversize and can only be shipped UPS oversize.

GEMINI® THE ORIGINAL CONVERTIBLE HAND TRUCK

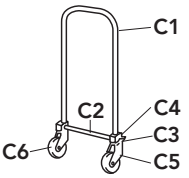
MAGLINER Route Distribution Solutions

GEMINI JR. & SR. HAND TRUCK REPLACEMENT PARTS

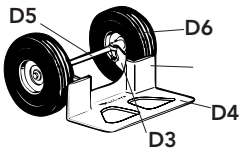
Frame Assembly



Handle with Casters Assembly



Nose/Wheel Components



Item No.	Description	Part Number	Gemini Sr. Ref. #	Price per ea.	Part Number	Gemini Jr. Ref. #	Price per ea.
—	Frame Assy. Complete (A1 Thru A6)	33-1080-00	301150	224.65	33-1097-00	301151	208.95
A1	Pivot Socket & Locknut	33-1081-00	302015	16.10	33-1081-00	302015	16.10
A2	Handle Latch & Lock Assy.	33-1082-00	302016	56.90	33-1082-00	302016	56.90
A2a	Lock Pedal Only	33-1083-00	302043	2.40	33-1083-00	302043	2.40
A3	Frame Only With Cross Braces	33-1084-00	302055	73.75	33-1098-00	302059	60.80
A4	Upper Handle Assy. With Brackets	33-1085-00	302019	33.85	33-1085-00	302019	33.85
—	Upper Handle Cross Tube Only	33-1086-00	302060	6.75	33-1086-00	302060	6.75
A5	Filler Block-Pivot/Frame (2 Required)	33-1087-00	302021	6.40	33-1087-00	302021	6.40
A6	Frame Spacer (4 Reqd. On Jr.,6 On Sr.)	33-1088-00	302090	2.40	33-1088-00	302090	2.40
A7	Frame Reinforcement - Lower	33-1050-00	302001	3.25	33-1050-00	302001	3.25
—	Handle With Casters Assy. Complete	33-1089-00	301055	132.65	33-1099-00	301089	166.25
C1	Handle Only	33-1090-00**	301056	35.65	N.A.	N.A.	N.A.
C1a	Handle With 2 Single Grips	N.A.	N.A.	N.A.	33-1100-00	301059	77.95
—	Gemini Jr. Handle Assy.	N.A.	N.A.	N.A.	33-1102-00	301162	18.25
C2	Spreader Rod & Brackets Only	33-1091-00	301058	14.25	33-1091-00	301058	14.25
—	Snap Ring for Spreader Rod & Bracket	33-1252-00	221008	.21	33-1252-00	221008	.21
C3	Load Support Bolt & Locknut (2 Reqd.)	33-1092-00	301060	6.50	33-1092-00	301060	6.50
C4	Load Support Bolt Spacer (2 Reqd.)	33-1093-00	301061	3.85	33-1093-00	301061	3.85
C5	5" Caster Complete (2 Required)	33-1073-00	130010	34.70	33-1073-00	130010	34.70
—	5" Caster Brake	33-1228-00	51010	7.85	33-1228-00	51010	7.85
—	Right Hand Wheel Bracket Only	33-1030-00	210100	5.25	33-1030-00	210100	5.25
D3	Left Hand Wheel Bracket Only	33-1031-00	210101	5.25	33-1031-00	210101	5.25
D4	'U' Magnesium Nose Plate	33-1022-00	300201	39.55	33-1022-00	300201	39.55
—	'U' Magnesium Nose Plate, Die Cast	33-1108-00	300199	39.55	33-1108-00	300199	39.55
D5	Axle Kit #4025	33-1042-00	224025	7.50	33-1042-00	224025	7.50
D6	1025 Semi-Pneumatic Wheel Solid Tire	33-1034-00	111025	21.30	33-1034-00	111025	21.30
—	1030 Wheel, Puncture Resistant	33-1109-00	101030	45.30	33-1109-00	101030	45.30
—	1060 Wheel, Full Pneumatic	33-1035-00	121035	37.85	33-1035-00	121035	37.85
—	1010 Care Free Tire	33-1110-00	131010	45.30	33-1110-00	131010	45.30

SHIPPED UPS OVERSIZE

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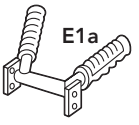
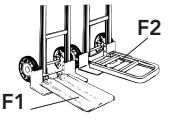
Gemini Sr. Handles



Gemini Jr. Handle



Item No.	Description	Part Number	Gemini Sr. Ref. #	Price per ea.	Part Number	Gemini Jr. Ref. #	Price per ea.
E1	'U' Style Handle	33-1013-00	301000	13.20	N.A.	N.A.	N.A.
E1a	Double Handle With Grips	33-1078-00	301072	50.40	N.A.	N.A.	N.A.
—	Plastic Handle Grip Only	33-1019-00	301070(RED)	3.80	33-1019-00	301070	3.80
E1c	Single Handle With Grip	N.A.	N.A.	N.A.	33-1102-00	301162	18.25
E1d	Handle Mounting Bracket	33-1105-00	302062	5.65	N.A.	N.A.	N.A.
—	Nut for Handle Stop	33-1254-00	80674	.21	33-1254-00	80674	N.A.
—	Handle Stop	33-1251-00	302058	1.00	N.A.	N.A.	N.A.
—	Screw for Handle Stop	33-1253-00	80167	.25	33-1253-00	80167	.25
—	Handle Bolt Pack (4) 1/4" X 1-3/4" Bolts	33-1106-00	80112	1.29	N.A.	N.A.	N.A.
—	Nuts & Lockwashers (4) 1/4"	33-1107-00	301033	.91	N.A.	N.A.	N.A.
—	C1 Stair Climbers	33-1047-00	86027	39.05	N.A.	N.A.	N.A.
—	C5 Stair Climbers	33-1048-00	86006	27.60	N.A.	N.A.	N.A.
F1	24" Folding Nose (Plate)	33-1055-00	301019	57.55	33-1055-00	301019	57.55
F2	20" Folding Nose (Channel)	33-1056-00	301025	51.05	33-1056-00	301025	51.05
F2	30" Folding Nose (Channel)	33-1057-00	301026	54.40	33-1057-00	301026	54.40

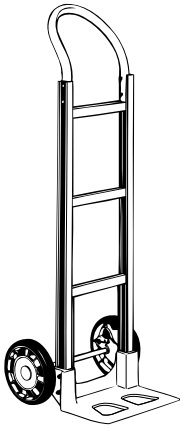
MAGLINER® Route Distribution Solutions HAND TRUCK WITH 4TH WHEEL ATTACHMENT

- Great for small equipment, supplies, etc.
- Large type H nose plate - cast magnesium, 14" wide, 12" deep, recessed heel
- **Retractable 4th Wheel -** Retractable 5" caster wheels support load in incline position. Folds flush against frame when not in use.
- Extra high 52"straight back frame
- Vertical loop handle
- 10" X 3.5" pneumatic tires
- Load capacity 500 lbs
- Model 115-H-1010-WA

Part Number		Price per ea.
33-1257-00	Magliner 52" Hand Truck With 4th Wheel Attachment	419.25
33-1357-00	Double Loop Handle extension (Extends Cart Height to 60")	27.65

MAGLINER® Route Distribution Solutions 48" UTILITY HAND TRUCK

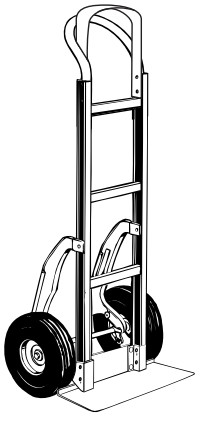
- Handles big loads easily
- Straight back frame
- 'U' Handle
- 14" x 7-1/2" die-cast magnesium nose plate
- 8" x 1-5/8" moldon rubber tires
- Load capacity 500 lbs.
- Weight 18 lbs.
- Model 111-A-815



Part Number		Price per ea.
33-1061-00	48" Utility Hand Truck	159.90

MAGLINER® Route Distribution Solutions 52" DELUXE ALL PURPOSE HAND TRUCK

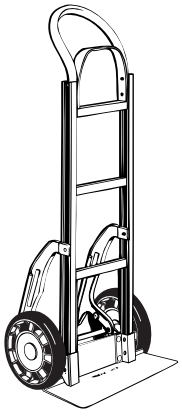
- Extra high 52" straight back frame allows stacking of extra supplies
- 'U' shaped handle
- 14" x 7-1/2" extruded aluminum nose plate
- 10" x 3-1/2" pneumatic tires
- Includes C5 stair climbers
- Load capacity 500 lbs.
- Weight 29 lbs.
- Model 112-D-1060-C5-52



Part Number		Price per ea.
33-1165-00	52" Deluxe All Purpose Hand Truck	255.50

MAGLINER® Route Distribution Solutions 48" ALL PURPOSE HAND TRUCK

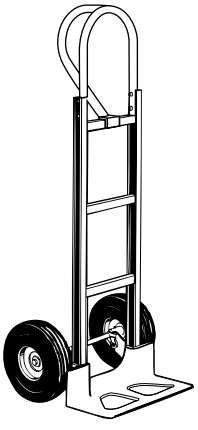
- Route man's favorite hand truck
- Straight back frame
- "U" extension handle
- 14" x 7-1/2" extruded aluminum nose plate
- 8" x 1-5/8" moldon rubber tires
- Load capacity 500 lbs.
- Weight 26 lbs.
- Includes stair climbers
- Model 112-A-815-C5



Part Number		Price per ea.
33-1065-00	48" All Purpose Hand Truck	193.70

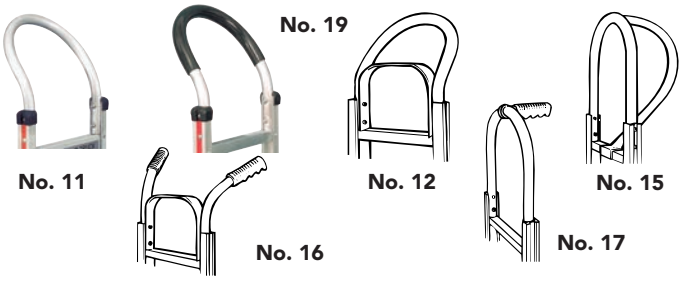
MAGLINER® Route Distribution Solutions 52" DELUXE TALL BOY HAND TRUCK

- Extra high 52" straight back frame allows stacking of extra supplies
- 'Vertical Loop' handle
- 18" x 7-1/2" die-cast magnesium nose plate
- 10" x 3-1/2" pneumatic tires
- Load capacity 500 lbs.
- Weight 28 lbs.
- Model 115-U-1060



Part Number		Price per ea.
33-1076-00	52"Tall Boy Hand Truck	225.90

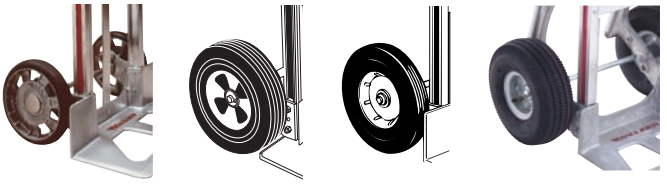
MAGLINER® HAND TRUCK – HANDLES



Part Number		Ref. No.	Price per ea.
33-1013-00	No. 11 Standard "U"	301000	13.20
33-1014-00	No. 19 Standard "U" with plastic sleeve	301008	19.75
33-1015-00	No. 12 Standard "U" w/"U" brace	30100	18.45
33-1016-00	No. 15A Vertical Loop fits frame No. 1 only	300981	38.25
33-1017-00	No. 16 Double Grip Complete w/ plastic grips & "U" brace	86031	20.25
33-1017-L	Left Handle with Grip for No. 16 Handle	40003	8.05
33-1017-R	Right Handle with Grip for No. 16 Handle	40002	8.05
33-1019-00	No. 5 Plastic Handle Grip only for No. 16 & 17 Handles	301070	3.80
33-1020-00	No. 17 Single Grip, high loop w/ plastic grip	301004	21.30

Note: Truck heights with handles 11, 19, 12 & 16 are 48" high.
Truck heights with handles 15 & 17 are 52" high.

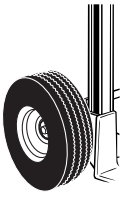
MAGLINER® HAND TRUCK – WHEELS



Part Number		Ref. No.	Price per ea.
33-1032-00	No. 815 – 8"x 1-5/8" w/ball bearings	10815	18.15
33-1033-00	No. 825 – 8"x 2-1/2" w/ball bearings	11825	21.30
33-1034-00	No. 1025 – 10 x 2-1/2" w/ball bearings Solid Tire, Puncture Resistant	111025	21.30
33-1054-00	No. 1060 – 10"x 3-1/2" w/ball bearings Full Pneumatic	121060	37.85

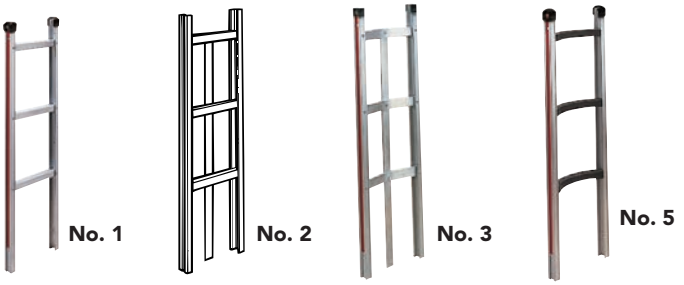
MAGLINER® "CARE FREE" TIRE

- Maintenance free, will NEVER go flat!
- Micro-cellular polyurethane structure gives it an 'air cushioned' ride duplicating the feel and weight of pneumatic tires and the reliability of a solid tire.
- Improves productivity by eliminating tire related down time.
- Non marking 10" tire


No. 1010

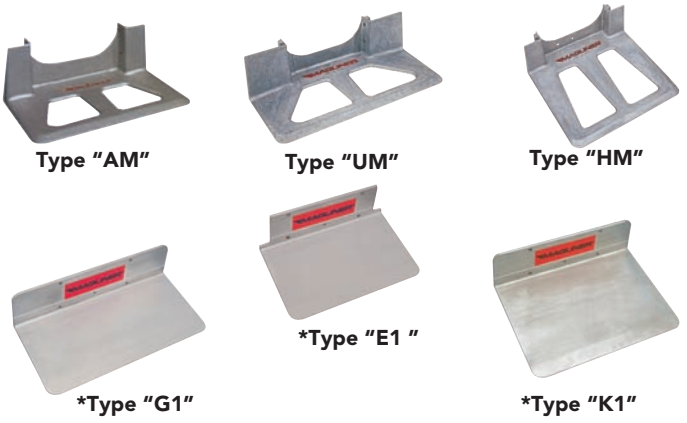
Part Number		Ref. No.	Price per ea.
33-1110-00	"Care Free" Tire 10" x 3-1/2" w/ball bearings	131010	45.30

MAGLINER® HAND TRUCK – FRAMES



Part Number		Ref. No.	Price per ea.
33-1009-00	No. 1 Straight Back	300001	37.85
33-1010-00	No. 2 Lattice Back	300002	48.45
33-1011-00	No. 3 Curved back w/vertical strap	300003	82.80
33-1012-00	No. 5 Curved back	300021	48.45

MAGLINER® HAND TRUCK – NOSE PLATES



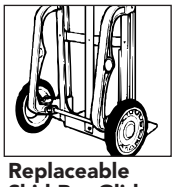
Part Number		Ref. No.	Price per ea.
33-1021-00	Type AM– Magnesium	300200	31.00
33-1022-00	Type UM– Magnesium	300201	39.55
33-1023-00*	Type E1 – Aluminum	300244	29.65
33-1024-00*	Type G1 – Aluminum	300245	35.50
33-1025-00*	Type K1 – Aluminum	300203	47.65
33-1028-00	Type HM– Magnesium	300197	63.50
33-1029-00	Nose Plate Mounting Bracket Kit reversible for recessed flush mounting. For "C", "D" & "J" nose plate types only. Contains R & L brackets, nuts & bolts	86029	8.80
33-1030-00	Right hand axle and wheel mounting bracket. Used with all nose plates. Magnesium construction.	210100	5.25
33-1031-00	Left hand axle and wheel mounting bracket. Used with all nose plates. Magnesium construction.	210101	5.25
33-1248-00	Replacement cross brace kit for recessed folding nose plate	3024262	12.70

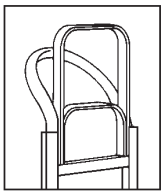
* Types C, D and J Require Mounting Bracket Kit, 33-1029-00

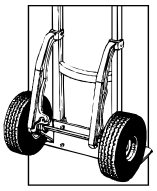
MAGLINER® Route Distribution Solutions

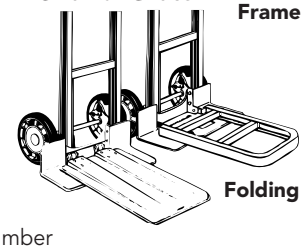
HAND TRUCK REPLACEMENT PARTS

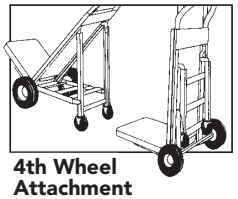
HAND TRUCKS – ACCESSORIES


Replaceable Skid Bar Glides


Frame Extensions


Stair Climbers


Folding Nose


4th Wheel Attachment

Part Number		Ref. No.	Price per ea.
33-1047-00	No. C1 Stair Climber Set, includes1 right & 1 left side to a set plus mounting hardware Magnesium Construction	86027	39.05
33-1048-00	No. C5 Stair Climber Set, includes 1 right & 1 left side to a set plus mounting hardware Magnesium Construction	86006	27.60
33-1049-00	Wear Strip for No. C5 Stair Climber	302115	4.30
33-1050-00	Side channel reinforcement for frames.Two (2) required	302001	3.25
33-1051-00	W4 Retractable 4th wheel attachment	301050	172.50
33-1052-00	No. 50 Hi "U" frame extension - 52"	40008	11.45
33-1242-00	No. 55 Hi "U" frame extension - 55"	40050	
33-1053-00	No. 60 Hi "U" frame extension - 60"	40010	17.85
33-1054-00	No. 68 Hi "U" frame extension - 68"	40011	20.30
33-1055-00	24" plate type folding nose extension	301019	57.55
33-1056-00	F2 20" extruded channel folding	301025	51.05
33-1057-00	F3 30" extruded channel folding nose extension*	301026	54.40
33-1070-00	44" Extruded channel folding nose extension	302147	91.60
33-1238-00	Caster for 4th wheel attachment	130056	17.05
33-1240-00	Hand Held Computer Accessory Bag	302680	23.00

• Will not fit J nose plates.

HARDWARE FASTENERS

Part Number		Ref. No.	Price per ea.
33-1044-00	No. 1 Fastener Pack for all models except with No. 815 wheels. Contains handle & nose bolts, nuts, axle cotter keys, roll pins & washers	301046	2.75
33-1045-00	No. 2 Fastener Pack for models with No. 815 wheels only. Contents same as pack No. 1 except with hub caps included	301047	4.45

AXLE KITS

Part Number		Ref. No.	Price per ea.
33-1042-00	No. 4025 Axle Kit for all wheels except No. 815. Includes axle, cotter & roll pins	224025	7.50
33-1043-00	No. 4496 Axle Kit for No. 815 wheels only. Includes axle, cotter & roll pins	224996	9.50

WHEEL COMPONENTS

Part Number		Ref. No.	Price per ea.
33-1263-00	Ball Stud	302169	2.30

CUSTOM DESIGN YOUR OWN MAGLINER® HAND TRUCK

- Custom build your hand truck to your personal needs
- Select the exact components you want to match your load handling requirements

Choose the frame, handle, nose, wheels and optional accessories that best fit your needs. Then follow the illustrated example below to determine the hand truck . That's all there is to it! Your new hand truck or trucks will arrive exactly as you've specified them.

Frame

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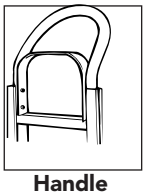
Handle

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Nose

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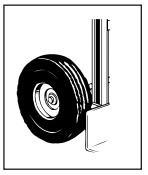
Wheel

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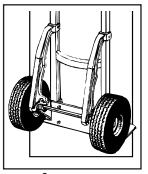
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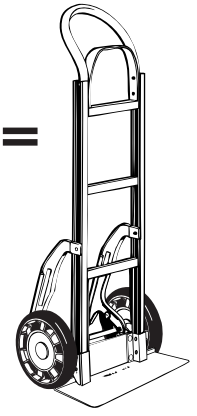


Miscellaneous items needed to complete your custom hand truck.:

1. Fastener pack, either #1 (33-1044-00) or #2 (33-1045-00)
2. Axle kit, either #4025 (33-1042-00) or #4496 (33-1043-00)
3. Mounting bracket for all nose plates, right hand axle and wheel (33-1030-00)
4. Mounting bracket for all nose plates, left hand axle and wheel (33-1031-00)
5. Mounting bracket for nose plate, only if "C", "D", or "J" nose plate is ordered (33-1029-00)
6. Side channel reinforcement for frames. Two required (33-1050-00)

HAND TRUCKS

Stevens SRT-M SERIES HAND TRUCKS

- The all-steel SRT-M series trucks will take the toughest punishment and handle the heaviest loads with ease. They come with advanced features such as the Ratchet Strap Tightener with automatic recoil and the patented Roller Bearing Crawlers
- The SRT-M series is a steel truck with a load capacity of 1,200 lbs.
- Retractable 3-1/2" rear swivel caster assembly to support the load during operation
- 8" x 2" Front roller bearing rubber tires
- Each truck has one 3-ply, 2 piece 14' strap
- Padded protective felt helps insure your equipment will not get scratched during transport

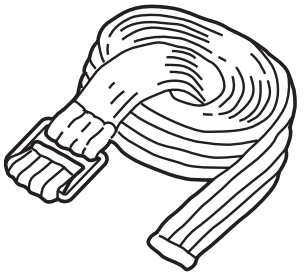
Part Number	Description	Height	Weight	Price per ea.
33-0003-00	SRT-M-60	60"	81 lbs.	436.60
33-0000-00	SRT-M-66	66"	82 lbs.	443.65
33-0004-00	SRT-M-72	72"	85 lbs.	450.70

Stevens **Parts and Accessories**

		Price per ea.
33-1002-00	3-1/2" Swivel caster for SRT-M series trucks	16.80
33-1236-00	8" Wheel for SRT-m Series made after 9/97	27.95
33-1237-00	10" x 2-1/2" x 1" wheel for Vender Series	53.10
33-1203-00	10" x 2" Rear wheel for Vender series trucks	56.25
33-1063-00	Ratchet assy., 20-1/4" complete recoil w/o dog	42.25
33-1192-00	R-I-S Ratchet Assy. w/o dog	41.85
33-1068-00	Complete 14' two piece strap for all trucks	26.85
33-1113-00	SRT-M-72 Rubber and Felt Face Padding, set of 2 (For Trucks Manufactured Prior to 1991)	24.75
33-1117-00	SRT-M-72 Snaplok Vinyl & Felt Set (For Trucks Manufactured in 1991 and Later)	28.85
33-1122-00	Vender 78 Rubber and Felt Face Padding, set of 2	23.10
33-1079-00	5" x 2" Phenolic Wheels for Vender series trucks	18.35
33-1179-00	SRT-M-72 Complete Aluminum Crawler	30.30

HEAVY DUTY WEB BELTS

- Heavy duty cotton belt will not scratch equipment
- 2" wide webbing
- Patented Roller Buckle
- Metal tip at other end
- Use as carrying strap or for tie-down purposes



Part Number		Price per ea.	L/6
33-1169-00	15' Cotton Belt	24.60	23.30
33-1168-00	20' Cotton Belt	27.95	24.10

Stevens VENDER SERIES HAND TRUCKS

- The Vender series is an all-steel hand truck uniquely designed to handle the largest machines
- Equipped with a retractable wheel assembly with large 10" x 2" rear wheels that supports the load and makes going over bumps and rough terrain much safer and easier
- 5" x 2" Front roller bearing rubber tires
- The Vender series has a load capacity of 1,750 lbs.
- Equipped with two 3-ply, 2 piece 14' strap with automatic strap recoil
- Padded protective felt helps insure your equipment will not get scratched during transport

Part Number	Description	Height	Weight	Price per ea.
33-0005-00	Vender 72	72"	116 lbs.	604.85
33-0002-00	Vender 78	78"	118 lbs.	610.70
33-1120-00	Vender 84	84"	122 lbs.	617.75

72" DUTRO "BRAWNY BRUTE" HAND TRUCK

- Great for moving big heavy Can Drink machines
- "L-Shaped" ratchet arm makes leveraging large loads easy. Grabs the top front of the machine and pulls back
- Large rear wheels allow easy travel over rough terrain
- Safety brake allows you to rest load on incline
- Vertical frame is covered with a durable soft vinyl to protect your machine from scratches
- 1600 lb. load capacity

Dutro COMPANY

Part Number		Price per ea.
33-1167-00	72" Dutro "Brawny Brute" Hand Truck	591.65

Dutro COMPANY **Parts and Accessories**

Part Number		Price per ea.
33-1193-00	5" Wheel for "Brawny Brute"	18.40
33-1194-00	10" Wheel for "Brawny Brute"	50.40
33-1167-01	Overhead Swing Arm with Strap	68.50
33-1199-00	Upright Rubber Bumper	9.20
33-1200-00	Cross Rubber Bumper	4.05
33-1243-00	Ratchet Gear	10.10
33-1214-00	Small Wheel Axle	9.20
33-1279-00	Strap for Offset Handle	15.05
33-1272-00	Large Wheel Assembly	69.25

LECTRO TRUCK STAIR CLIMBING SYSTEM

Model Shown 33-1189-00

Lectro Truck is a total stair climbing, lifting and moving system.

By combining a battery powered high torque motor and an aircraft hardened steel screw drive, the patented Lectro Truck lifts and lowers loads relative to the wheels. This innovative material handling device enables one person – with literally the push of a button – to lift, control and safely move loads weighing up to 1500 pounds. Lectro Truck easily moves vending machines, safes, water heaters, boilers and other heavy bulky loads from trucks and docks or up and down stairs. Lectro Truck is also as portable as a standard hand truck.

Lectro Truck's Superior Features:

- Safety overload circuit breakers
- All-weather, marine safety switches
- Protective, anti-slip rubber pads on toe plate guard surfaces from damages
- Powerful, high-torque, orbital gear reduction motor
- Two strong, fully height and load adjustable strap bars
- Auxiliary charging system
- High-efficiency, specially hardened, aircraft type drive screw
- Heavy-duty construction for confident commercial or industrial application
- Totally sealed, maintenance-free, heavy-duty battery
- Enclosed and grommeted wiring system for added durability and safety
- Heavy-duty ball bearing drive system
- Roller bearing, non-marring, wide tread wheels, with auto type grease fittings
- Fully automatic, electro-magnetic braking system
- Security keyed safety switch protects against unauthorized use
- Heavy-duty leverage bar can be used to help tilt back and secure heavy loads
- Proven reliability– manufactured since 1971 from the original patented design
- Double-strapping system ensures a more balanced, secure load
- Warranty: 3 years on the motor and 1 year on the entire unit
- Drop shipped FOB Wisconsin

Lectro-Truck Model 1260E

- Heavy-duty steel construction
- 1,500 lb. load capacity with Electro Magnetic fully automatic braking mechanism
- 63" overall height with a vertical lifting height that will allow loading and unloading in trucks and vans to a maximum of 39"
- Built in hook bar for greater breaking back leverage
- Toe plate: 24" wide by 6" deep
- Weighs 185 lbs.
- Includes 1 LT battery, 2 adjustable strap bars and operating manual

Lectro-Truck Model 1268E

- Heavy-duty steel construction
- Great for moving vending machines
- 1,500 lb. load capacity with Electro Magnetic fully automatic braking mechanism
- 70.5" overall height with a vertical lifting height that moves loads up or down stairs, on and off trucks and vans, to a maximum height of 39"
- Built in hook bar for greater breaking back leverage
- Toe plate: 30" wide by 6" deep
- Weighs 190 lbs.
- Includes 1 LT battery, 2 adjustable strap bars and operating manual

Lectro-Truck Model LTA5512

- Aluminum alloy construction
- 1,200 lb. load capacity
- 67" overall height with a vertical lifting height of 41"
- Electro magnetic braking system
- Portable battery pack included
- Toe plate: 24" wide by 6" deep
- Weighs 110 lbs.
- Includes 1 LT battery, 2 adjustable strap bars, charging plug and operating manual

Lectro-Truck Model LTA6512

- Heavy-duty with a lighter weight aluminum alloy
- 1,500 lb. load capacity
- 68" overall height with a vertical lifting height of 41"
- Electro magnetic braking system
- Built-in tripod that folds in and out with the touch of your foot
- Built in extension handles provide additional leverage when needed
- Built in hook bar for greater breaking back leverage
- Toe plate: 30: wide by 6" deep
- Weighs 153 lbs.
- Includes 1 LT battery, 2 adjustable strap bars and owners operating manual

Model	Material	Height	Rating	Lift	Toe Plate	Hook Bar	Tripod	Extension Handles
1260E	Steel	63"	1500lbs	39"	6"x24"	Standard	Optional	N/A
1268E	Steel	70.5"	1500lbs	39"	6"x30"	Standard	Optional	N/A
5512E	Alum.	67"	1200lbs	41"	6"x24"	Optional	N/A	N/A
6512E	Alum.	68"	1500lbs	41"	6"x30"	Standard	Standard	Standard

Part Number		Price per ea.
33-1186-00	Lectro-Truck Model 1260E	3461.75
33-1187-00	Lectro-Truck Model 1268E	3671.85
33-1258-00	Replacement 6 amp Battery Charger	120.85

Part Number		Price per ea.
33-1188-00	Lectro-Truck Model LTA5512	3461.75
33-1189-00	Lectro-Truck Model LTA6512	3776.95

LECTRO TRUCK SLOT MACHINE MOVER

- Easily lift or lower slot machines with the touch of a button
- Optional fork plate for solid surface moving
- Compact electric truck vertically lifts loads of 750 lbs almost five feet high
- Front caster wheels standard
- Battery charger sold separately
- Construction: heavy-duty steel
- Battery: 12 volt
- Size: 67" H x 25" W x 34" D
- Weight: 130 lbs
- Capacity: 750 lbs
- Available with 6"x2" rear wheels or 15:x6"x6" all-terrain pneumatic tires

Part Number		Price per ea.
33-1376-00	Slot Mover with 15"x6"x6" Rear Wheels	1199.00
33-1375-00	Slot Mover with 6"x2"x6" Rear Wheels	1199.00
33-1378-00	Battery Charger	89.00
33-1377-00	Fork Plate	79.00

WESCO SLOT MACHINE MOVER

- 3.5" diameter polyurethane ball bearing front swivel casters
- Ideal for raising, lowering and moving slot machines
- Easily raises slot machine from floor to slot stand or lowers it from slot stand to floor
- Foot operated hydraulic pump raises platform 54" high, foot release lowers platform
- Four-wheel dolly with front swivel casters
- Reduces risk of moving injuries
- Wheel locks standard
- 750 lb capacity
- Steel frame construction
- Lift height: 54"; overall height 60.5"; 22.5" wide
- Rear wheels 8"x2" with .75" ball bearings
- Weight: 162 lbs
- Extra large platform 22" D x 22" W sits 5.75" above floor

Part Number		Price per ea.
33-1259-00	Wesco Slot Machine Mover	1132.95
33-1268-00	Replacement Hydraulic Jack	839.80
33-1286-00	Rubber Wheel	26.12
33-1287-00	Caster	41.25
33-1289-00	Replacement Spring and Seal Kit	222.00

GRAND PACK-N-ROLL PORTABLE Z-CART

- Lightweight, durable, rust-proof PVC construction
- Convenient and compact
- Aluminum telescoping handle with comfortable contoured plastic grip, extends to 23"
- Smooth rolling rubber tires
- Snap-on side support braces for additional strength
- This portable cart collapses into an easy to carry compact case
- Size: 16.5" L x 15" W x 14" H
- Color: Black
- Capacity: 80 lbs.

Part Number		Price per ea.
33-1293-00	Grand Pack-N-Roll Portable Z- Cart	19.95

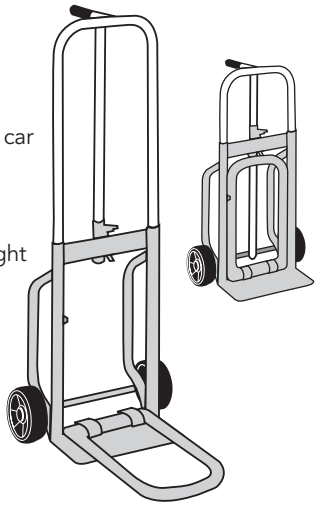
BULK DELIVERY CARTS

- Reduce delivery time and injuries by delivering with bulk carts
- Improves delivery efficiencies by pre-loading at the warehouse
- Soft side vinyl containment system eliminates the need for shrink-wrapping; attaches with clips
- Lightweight aluminum construction
- Heavy duty under carriage
- Easy to handle and easy to clean
- 2 removable handles with 3 cross bars and 1 vertical strap
- Solid or tubular decks 18" W x 60" L
- 8" Performa wheels in center
- Corner wheels available in 8" Performa wheels or 8" swivel pneumatics
- All weigh approximately 90 lbs.
- 1200 lb. capacity
- Drop shipped from Michigan

Part Number		Price per ea.
33-1332-00	Solid Deck With Performa Corner Wheels	493.72
33-1337-00	Solid Deck With Swivel Pneumatic Corner Wheels	503.57
33-1334-00	Tubular Deck With Performa Corner Wheels	471.72
33-1333-00	Tubular Deck With Swivel Pneumatic Corner Wheels	527.52
33-1335-00	Single Soft Side	55.00
33-1336-00	Double Soft Side	110.00

DUTRO COLLAPSIBLE HAND TRUCK

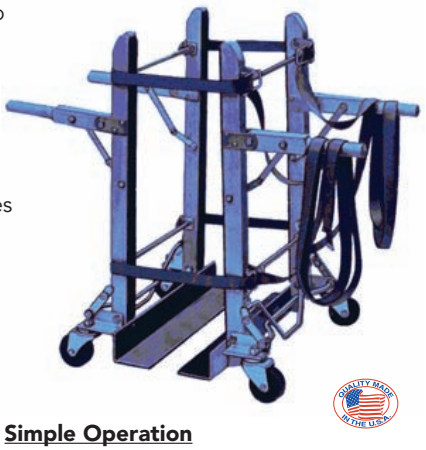
- Compact and lightweight
- Retractable handle and 15" fold-up nose plate
- Easily fits in trunk or front seat of car
- Great for toting large sample cases or tool cases
- Single fingertip control lever will increase or decrease overall height
- Capacity: 400 lbs.
- Toe Plate: 5" x 12" x 3/16"
- Width: 16.5"
- Height: 26" to 41"
- Weight: 26 lbs.
- Wheel: 5" x 2"
- Axle: 5/8"
- Model 904

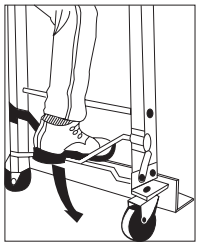


Part Number		Price per ea.
33-1197-00	Dutro Collapsible Hand Truck	124.00

DUNN TONNER TRUCK

- Easily allows one man to move heavy machines
- One step operation
- All welded steel frame
- High 2,000 lb. capacity
- Heavy duty casters
- Includes a set of 2 dollies and ratchet straps
- 44" high for better balance
- Toe plate: 23" x 3.75"
- UPS shippable





Simple Operation

To operate: Place one unit at each end of your product. Using ratchet straps, Connect the two units and tighten straps. Press the foot lever down into the locking position to raise Dunn-Tonners onto the heavy-duty wheels. Handles fold for ease of use and minimum storage space.

Part Number		Price per ea.
33-1220-00	Dunn Tonner Truck	499.93
33-1239-00	Replacement Ratchet Strap	14.40
33-1239-01	Replacement Caster, 3" x 1-3/4"	15.75

PINBALL CART WITH HYDRAULIC PUMP

- Durable heavy-duty construction
- Minimal assembly required
- Hydraulic cylinder provides a controlled gentle descent
- Lift has a raised height of 26 inches and a lower height of 19? inches

- Wrinkle black powder coated finish
- 4 replaceable heavy-duty swivel casters
- Dimensions: 16?" width x 17" height x 42" length
- Load capacity: 400 lbs
- Shipping weight: 70 lbs

Part Number		Price per ea.
33-1114-10	Heavy-Duty Pinball Cart with Hydraulic Pump	325.00

SUPERLITE FOLDING TRUCK

- Lightweight aluminum construction, weighs only 8.4 lbs.
- Easy pushbutton operation for quick set up
- Extended dimensions: 42" x 19" x 19"
- Folds to a compact 29.5" x 19" x 2" for easy transport and storage
- Superlite Folding Truck will fit into the smallest storage space or car trunk
- Noseplate: 19" wide x 12" deep
- Elastic straps for securing the load
- 7" x 1.5" non-marking, shock absorbing rubber tread wheels
- Suitable for technicians, arcades, routes, warehouse, office, and home
- Capacity: 175 lbs.

Part Number		Price per ea.
33-1244-00	Superlite Folding Truck	109.95

COBRAPRO BATTERY POWERED HAND TRUCKS

NEW

- Choose from two models, CobraPro Jr. or Sr.
- Reduces operator strain and fatigue and increases productivity
- High-torque battery powered drive system for hauling heavy loads
- Powerful enough to climb standard truck ramps
- Variable speed fingertip control, forward and reverse
- Power drive in 2-wheel or 4-wheel mode; or disengage to use in manual mode
- Complete with charger and rechargeable battery module
- 10" full pneumatic tires for use on smooth or rough terrains
- 2 year frame warranty

33-1428-00

CobraPro Jr. Features and Specifications

Dual hand grips for improved control
3 frame cross braces

Capacity – 2 wheel	600 lbs.
Capacity – 4 wheel	1,200 lbs.
Capacity on 17-1/2" ramp – 2 wheel	600 lbs.
Capacity on 17-1/2" ramp – 4 wheel	950 lbs.
Frame Bed	12" x 38"
Weight	109 lbs.
Overall Height	51-3/4"

CobraPro Sr. Features and Specifications

Continuous handle allows multiple ways to control load
4 frame cross braces

Capacity – 2 wheel	600 lbs.
Capacity – 4 wheel	1,200 lbs.
Capacity on 17-1/2" ramp – 2 wheel	600 lbs.
Capacity on 17-1/2" ramp – 4 wheel	950 lbs.
Frame Bed	12" x 50-3/4"
Weight	112.5 lbs.
Overall Height	61-3/4"

33-1429-00

WESCO Industrial Products, Inc.

Part Number		Price per ea.
33-1428-00	Wesco CobraPro Jr. Hand Truck	1959.00
33-1429-00	Wesco CobraPro Sr. Hand Truck	1974.00

U-LIFT POOL TABLE MOVER

- Allows 1 person to easily move a pool table, air hockey or foosball table
- Reduces risk of back injury
- Heavy duty casters
- U.P.S. shippable

Part Number		Price per ea.
33-1005-00	U-Lift Pool Table Mover	253.15
33-1241-00	Replacement Handle Assy with Grip and Hardware	31.65

PROCART™ UTILITY CART

- The first "double-duty" utility cart
- Engineered to adapt to all the ways - and all the places - you work
- Durable non-marking 5" wheels with locking rear wheels
- Each shelf holds a hefty 200 lbs.
- Quick assembly using a Phillips screwdriver
- Quickly flip the side gates up and it is a box top cart - use it to securely transport supplies
- Flip its side gates down and the ProCart™ is a flat top cart - perfect for sliding boxes on and off the shelves in the warehouse
- Optional rail system and bins transform it into a customized, portable work center
- Made of high density polyethylene structural foam which is dent resistant, rust-proof and never needs painting

Part Number		Color	Size	Price per ea.
83-0098-00	Large ProCart™	Gray	45"L x24"W x32"H	218.70
83-0100-00	Small ProCart™	Gray	40"L x19.5"W x32"H	185.90

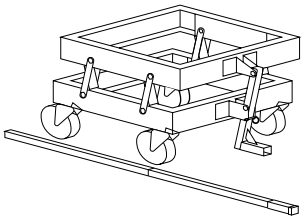
DELUXE ALL-PURPOSE DOLLY

- Heavy duty 4" casters
- 18" wide x 30" long
- Hard rock maple
- 1000 lb. load capacity
- Weighs 21 lbs.
- Rubber covering "grips" and "protects" itemsfrom moving or scratching

Part Number		Price per ea.
33-1801-00	Deluxe All-Purpose 4 Wheel Dolly	88.65
33-1126-00	Replacement Rubber End Caps	10.15
33-1140-00	Replacement 4" Caster	12.95

EASY-LIFT POOL TABLE MOVER – NORTECH

- Designed to make moving pool tables, air hockey and foosball games easy for 1 person
- Reduces risk of back injury
- Lifts table 3"
- Extremely heavy duty 5" casters
- Weight 56 lbs.
- U.P.S. shippable



Part Number		Price per ea.
33-1058-00	Easy-Lift Pool Table Mover – Nortech	370.80
33-1119-00	Easy-Lift Replacement Caster	23.25
33-1245-00	Easy-Lift Replacement Safety Pin	9.15

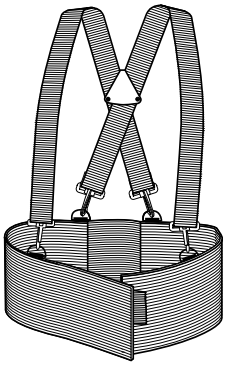
EASY-LIFT VENDOR MOVER – NORTECH

- Makes moving heavy, bulky vending machines an easy 1 man job
- Fits all vending machines with a 5-3/4" high x 21" wide clearance
- Reduces risk of back injury
- 950 lb. load capacity
- Weighs 55 lbs.
- Extremely heavy duty 4" casters
- U.P.S. shippable

Part Number		Price per ea.
33-1060-00	Easy-Lift Vendor Mover – Nortech	362.50

LUMBAR SUPPORT BELTS

- Reduces back strain & injuries
- Helps keep back muscles warm & flexible
- Double elastic stretch binding ensures comfortable firm support
- Sewn-in support for small of back
- Sizes: Small, Medium, Large & Extra-Large
- Made in the USA



Part Number		Price per ea.	L/3
33-1178-00	Small 28"– 32"	32.85	30.65
33-1176-00	Medium 32"– 36"	32.85	30.65
33-1175-00	Large 36"– 40"	32.85	30.65
33-1177-00	Extra-Large 40"– 44"	32.85	30.65

HI-JACK A-1 SIGN JACK LIFT

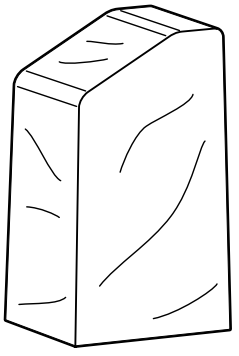
NEW

- Ideal for lifting large, heavy casino signs
- Allows one person to lift 500 lb. loads up to 10 ft. high
- Average lift speed of 500 lbs. is 3 ft. per minute
- 11-gauge tubular standards and sturdy platform
- Heaviest part weighs only 40 lbs.
- Assemble as erector set for any job condition or ceiling height up to 17 ft.
- Optional swivel casters permit movement in any direction
- Measures 24" L x 29" W x (add 22" to lifting height)

Part Number		Price per ea.
33-1339-00	Hi-Jack A-1 Sign Jack Lift	748.00
33-1343-00	Swivel Caster for Hi-Jack A-1 Lift (4 Required)	34.95

HEAVY DUTY MACHINE TRANSPORT COVERS

- Ideal way to protect your equipment during transport
- 35 oz. vinyl lined for superior waterproofing and mildew resistance
- Protects against sun, rain, snow, dust, and nicks
- Double stitched seams
- Webbing loops for easy tie down
- Easy to clean, simply wipe off



Part Number		Price per ea.
49-0694-00	Video Game Cover, Oversized 72"(H) x 37"(W) x 36"(D)	116.30
49-0695-00	Video Game Cover 66"(H) x 29"(W) x 33"(D)	90.45
49-0696-00	Pinball Cover, Transport Style 32"(H) x 25"(W) x 55"(D)	99.35
49-0697-00	Pinball Cover, Upright Style 46"(H) x 36"(W) x 60"(D)	90.45
49-0698-00	Poker Machine Cover 60"(H) x 26"(W) x 29"(D)	90.45

DELUXE MOVING PAD

- Heavy-duty all cotton pad
- Will not scratch equipment
- Quilted together by a 1" locking stitch in a lazy "S" pattern
- Double stitched binding for long life
- Size: 72" x 80"
- Color: blue / blue

Part Number		Price per ea.
33-1185-00	Deluxe Moving Pad	41.15

MULTI-PURPOSE SIGN JACK LIFT

NEW

- Each caster equipped with simple locking devices
- Tilt back option to move quickly over soft and/or uneven ground
- UL listed and OSHA accepted
- Portable material elevator can lift various types of loads
- Loads over 500 lbs. can be lifted with two or more units
- Ideal for lifting large, heavy casino signs
- Allows one person to lift 500 lb. loads up to 12 ft. high
- Can be converted to a 5, 8 or 9 ft. lift
- Four non-marking composition casters swivel to permit movement in any direction
- Measures 24" L x 29" W x (add 22" to lifting height)

Part Number		Price per ea.
33-1276-00	Multi-Purpose 512-A Sign Jack Lift	1376.00

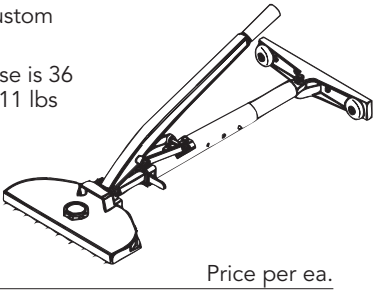
HEAVY DUTY PLASTIC COVER

- Extra large size fits all types of equipment: 51"(W) x 49"(D) x 85"(H)
- Strong and durable, but flexible for easy folding for storage to use again
- Easy to cut to fit your specific application
- Extra strong 3 mil plastic resists shredding from weather on the back of open trucks during transporting to and from locations

Part Number		Price per ea.
27-1047-00	3 mil Heavy Duty Plastic Cover	7.90

CRAIN POWER CARPET STRETCHER

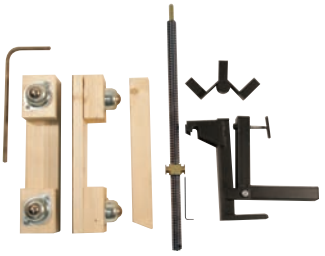
- Professional model
- Adjusting knob on top of power unit with a visual depth setting gauge – just set the dial to the desired pin depth and your ready to stretch
- Adjustable locking power head
- Auto-Lok tube allows you to adjust your stretcher poles in a flash
- Heavy-duty, blow-molded custom carrying case
- Weight: Stretcher without case is 36 lbs; Custom-carrying case is 11 lbs
- Speed roller tail block
- Adjusts from 35" to 22'
- Model 500



Part Number		Price per ea.
33-1291-00	Crain Power Carpet Stretcher	482.30

SLATE LIFTER KIT, BY NORTECH

- Safely lifts and rotates pool table slate to come to you while resurfacing table
- Allows 1 person to recover a pool table
- Simple, but clever design makes this kit very easy to use
- Includes instructional video tape if further instruction is necessary



Part Number		Price per ea.
33-1059-00	Slate Lifter Kit	309.85
33-1217-00	Replacement Block and Roller Assy	32.35

HEAVY-DUTY RATCHET TIE-DOWN

- Hook and "D" ring ends
- 1" x 15' soft blue web will not scratch cargo
- 3,000 lb web capacity
- 2,000 lb assembly capacity
- Made in USA

Part Number		Price per ea.
33-1147-00	Heavy-Duty Ratchet Tie-Down	23.10

STRETCH-WRAP FILM & DISPENSER

FILM

- Ideal for use in storage or transportation of machines
- Protects shipments and reduces damage
- Premium blown film provides excellent puncture resistance for securing uniform or irregular loads
- Resists puncturing or tearing, even around sharp corners
- Superior cling keeps loads secure even in -5°F
- Thick 80 gauge film
- 18" x 1500 ft., 3" core
- 4 rolls per case

DISPENSER

- High strength and high quality - built to last
- Adjusts to 12", 15" and 18" widths, 3" core
- Foam handle is angled to reduce fatigue
- Top tension control to keep stretch constant
- Weighs only 3-1/2 lbs

Part Number		Price per ea.	L/4
39-0036-00	Heavy Duty Stretch-Wrap Film	19.95	17.40
39-0037-00	Stretch Film Dispenser	124.05	–

BIN BOX

- Stock parts of a variety of sizes side by side
- Handy, economical way to stock parts
- 6"(W) x 12"(L) x 4-1/2"(H)
- Heavy duty, self-locking, white cardboard
- Mark the front of the box for quick parts identification

Part Number		Price per ea.	L/25
27-1056-00	Bin Box	1.80	1.60

COLLAPSIBLE BASKET

- Excellent protection for breakable items
- Open slots also allow for easy visual inspection
- 10 per case
- Extra strong stackable olypropylene basket is attractive and durable,
- Open slots on every side makes this perfect for items that require ventilation
- Dimensions open: 10-3/4"(H) x 20-3/4"(L) x 13-1/4"(W)
- Dimensions closed: 2-2/3"(H) x 20-3/4"(L) x 13-1/4"(W)
- Folds and stores flat until needed. Then snaps open instantly to hold and store files, tote mail, office forms, ledgers, paper recycling bin, products around the office, on the road or throughout the plant

Part Number		Price per ea.	L/10
27-1038-00	Collapsible Basket - Blue	23.10	21.00
27-1044-00	Collapsible Basket - Red	22.05	20.75

QUANTUM MODULAR CLEAR DRAWERS

- See through drawers for easy viewing
- Injection molded from virgin, break resistant copolymer polypropylene
- Bin systems can be wall mounted or stacked on top of one another
- Internal dividers may be removed to adjust size of drawer compartments
- Color: Blue

Part Number 83-0086-00

Model No.: MD 815
Outside Dimensions: 5-1/2" D x 12-1/8" W x 6-3/4" H
Bin Dimensions: 5-5/8" D x 11-1/4" W x 1-1/2" H

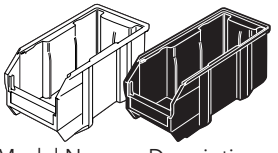
Part Number 83-0087-00

Model No.: MD 817
Outside Dimensions: 5-1/2" D x 12-1/8" W x 11" H
Bin Dimensions: 5-5/8" D x 11-1/4" W x 3" H

Part Number		Price per ea.
83-0086-00	Quantum MD 815 Small 3-Drawer Unit	14.70
83-0087-00	Quantum MD 817 Large 3-Drawer Unit	19.65

QUANTUM ULTRA HANGING SYSTEMS

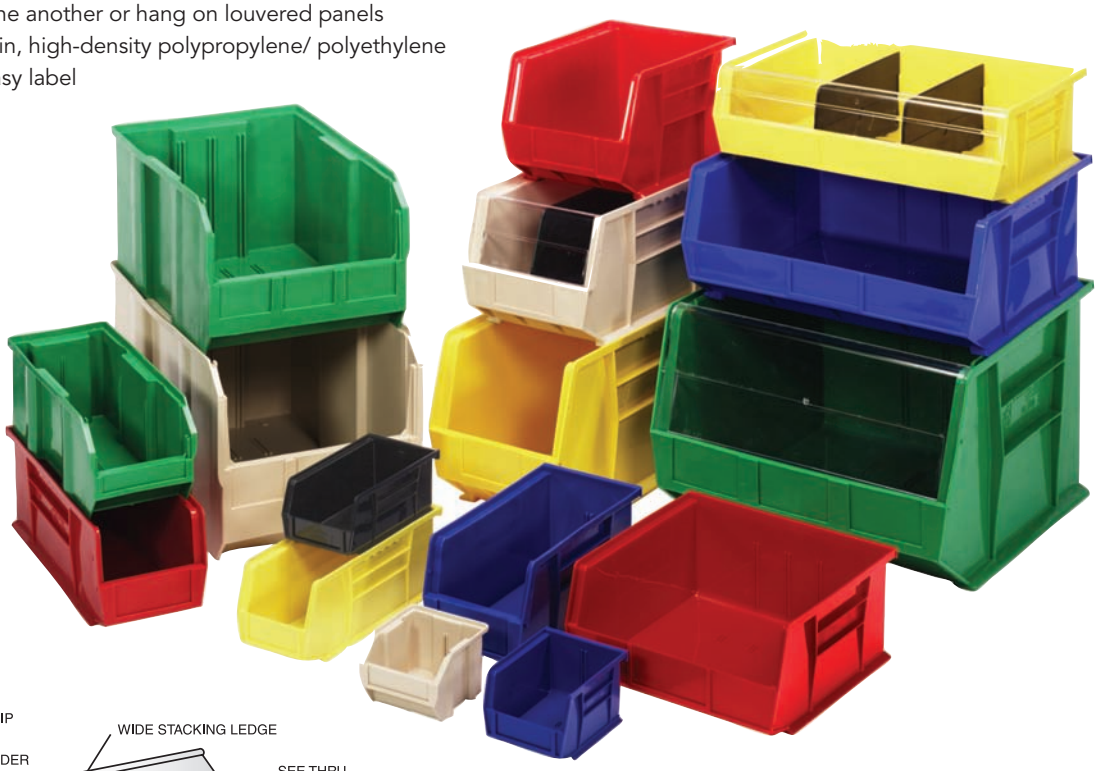
- Bins hang on louvered panels that are wall mounted or table top
- Panels accept a wide range of bin sizes
- Systems are formed from heavy duty 16 gauge cold rolled steel
- Grey baked enamel finish
- Bins sold separately
- Made in the USA

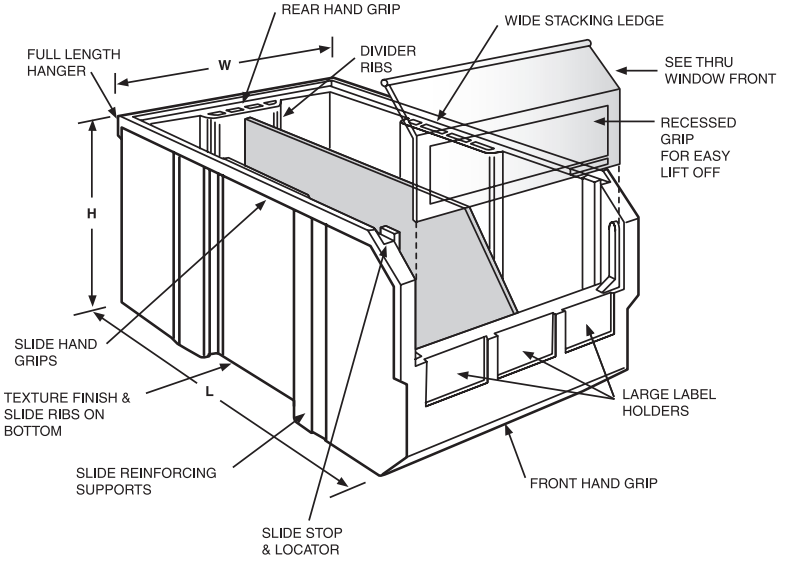


Part Number	Model No.	Description	Price per ea.
83-0052-00	QLP-1819	Wall Mount 18" L x 19" H	24.65
83-0053-00	QLP-3619	Wall Mount 36" L x 19" H	34.55

QUANTUM ULTRA SERIES BINS

- Ultra strong bins that will stack on one another or hang on louvered panels
- Bins are made from heavy duty, virgin, high-density polypropylene/ polyethylene
- Large multiple label slots provide easy label insertion and part identification
- Extra wide stacking ledge assures stability for high stacking
- Reinforced design adds strength and prevents spreading
- Will not rust or corrode and are unaffected by weak acids and alkalis, and are waterproof
- Interchangeable with other manufactured brands of bins
- Standard colors: Blue, Yellow, Red, Ivory and Green
- Optional windows available to maximize storage capacity and prevent spillage
- Optional dividers keep contents organized
- Sold in full case quantities only
- Made in the USA





COLOR CODE
X = Color

B = Blue
G = Green
I = Ivory
R = Red
Y = Yellow

Part Number	Model No.	Outside Dimensions L"	W"	H"	Inside Dimensions L"	W"	H"	Capacity	Case qty	Price Per Case
83-0043-X	QUS 205	4-1/2"	4-1/8"	3"	3-3/16"	3-1/2"	2-7/8"	8 lbs.	24	26.40
83-0044-X	QUS 210	5-1/2"	4-1/8"	3"	4-1/2"	3-1/2"	2-7/8"	10 lbs.	24	28.80
83-0057-X	QUS 220	7-1/2"	4-1/8"	3"	6-1/2"	3-1/2"	2-7/8"	10 lbs.	24	52.56
83-0056-X	QUS 230	11"	5-1/2"	5"	8-11/16"	4-13/16"	4-13/16"	30 lbs.	12	54.60
83-0055-X	QUS 233	13-1/2"	5-1/2"	5"	11-1/4"	4-13/16"	4-13/16"	30 lbs.	12	66.00
83-0045-X	QUS 235	11"	11"	5"	9"	10-3/8"	4-13/16"	50 lbs.	6	43.80
83-0046-X	QUS 239	11"	8-1/4"	7"	9"	7-1/2"	6-3/4"	50 lbs.	6	46.50
83-0047-X	QUS 240	14-3/4"	8-1/4"	7"	12-7/8"	7-1/2"	6-3/4"	60 lbs.	12	97.44
83-0048-X	QUS 245	11"	16-1/2"	5"	9"	15-3/4"	4-13/16"	60 lbs.	6	61.80
83-0049-X	QUS 250	14-3/4"	16-1/2"	7"	12-7/8"	15-3/4"	6-3/4"	75 lbs.	6	78.90
83-0050-X	QUS 255	16"	11"	8"	13-5/8"	10-1/4"	7-3/4"	75 lbs.	4	50.60
83-0051-X	QUS 260	18"	11"	10"	15-5/8"	10-1/4"	9-3/4"	75 lbs.	4	69.20
83-0052-X	QUS 265	18"	8-1/4"	9"	17-1/8"	6-3/4"	8-1/4"	60 lbs.	6	89.40
83-0053-X	QUS 270	18"	16-1/2"	11"	15-5/8"	15-3/4"	10-3/4"	——-	3	69.45

REPAIR WORKBENCHES

NEW

- Durable, productivity-enhancing workbenches for repair of slot machines and other electronic devices
- Includes cabinet pedestal with 2 drawers contaning 8 preconfigured drawer compartments and 1 file drawer. Drawers have 150 lb. weight capacity. Cabinet comes with individual removeable core lock and 2 keys, and has a 6" base.
- Includes bullnose gray plastic laminate worksurface with backstop
- 30" D, 35.25" worksurface height
- Powder coated in Bright Blue paint
- Shipped 2-3 days of order
- Available in other colors and/or with ESD worksurface and paint with 4 week delivery

33-1415-00

Part Number		Price per ea.
33-1415-00	60" W	996.26
33-1416-00	72" W	1034.36

INSTRUMENT RISER SHELF FOR REPAIR WORKBENCHES

NEW

- Provides electricity and workshelf for above-worksurface use.
- Includes 15" D gray plastic laminate shelf with Bright Blue back stop
- Includes (2) 16" H shelf supports, one of which contains a 6-outlet power strip
- Shipped 2-3 days of order
- Available in other colors and/or with ESD worksurface and paint with 4 week delivery

Part Number		Price per ea.
33-1417-00	60" W	408.49
33-1418-00	72" W	426.34

NEXUS ACCESSORY SYSTEM KIT FOR REPAIR WORKBENCHES

NEW

- Versatile system is ergonomically designed to deliver easy accessibility to parts, instruments and tools above the worksurface.
- No stretch or strain, reducing the risk of injury, increasing productivity
- Easily reconfigurable
- Allows for maximum use of worksurface by leaving full surface available for task
- Components can be easily adjusted for specific tasks within a workshift
- May be attached to QSTB40 or QSTB42 workbenches, or can be retrofitted to any existing workbench or worksurface
- Attaches to top of worksurface
- Powder coated in Bright Blue paint
- Shipped 2-3 days of order
- Available in other colors and/or with ESD worksurface and paint with 4 week delivery

QSSMNX-60/2424 (for use with QSTB40 workbench)

- 48" W x 48" H above base: (2) 24" W sections
- (2) 24" W x 12" D adjustable shelves, (1) 24" W x 15" D adjustable shelf
  (1) 24" W x 30" H markerboard/tackboard
  (1) 24" W x 18" H louvered panel
  (1) 24" W backstop
  (1) 15 amp vertical power strip with 6 outlets, off/on switch and 6' cord

QSSMNX-72/3030 (for use with QSTB42 workbench)

- 60" W x 48" H above base: (2) 30" W sections
- (2) 30" W x 12" D adjustable shelves, (1) 30" W x 15" D adjustable shelf
  (1) 30" W x 30" H markerboard/tackboard
  (1) 30" W x 18" H louvered panel
  (1) 30" W backstop
  (1) 15 amp vertical power strip with 6 outlets, off/on switch and 6' cord

Part Number		Price per ea.
33-1419-00	For 60" W QSTB40 Workbench	651.20
33-1420-00	For 72" W QSTB42 Workbench	681.70

STORAGE CABINETS FOR REPAIR AREAS

NEW

33-1421-00 33-1422-00 33-1423-00

- Shelf cabinets stacked on drawer cabinets enable users to store large bulky items above small parts and components.
- Provides maximum weight-bearing capacity, organization and access
- All cabinets come with individual lock and two keys. Lock cores can be exchanged in the field for both keyed-alike and master key systems.
- When drawers are closed, handles are flush with housing so nothing protrudes. Drawer handles are full width, and are located at top of drawer.
- All drawers are full extension with 440 lb. weight capacity
- PrevenTip® locking system – one-drawer-at-a-time feature prevents accidental tipping
- Cabinets include fork truck bases except as shown below
- Powder coated in Bright Blue paint
- Shipped 2-3 days of order
- Available in other colors with 4 week delivery

Part Number		Price per ea.
33-1421-00	10-drawer drawer cabinet with 159 interior drawer compartments, 2-shelf cabinet with sliding doors 40.25" W x 22.5" D x 101.25" H	2705.57
33-1422-00	10-drawer drawer cabinet with 159 interior drawer compartments, 1-shelf cabinet without door or base 40.25" W x 22.5" D x 93" H	2368.54
33-1423-00	(1) 5-drawer drawer cabinet with 61 interior drawer compartments, (1) 9-drawer drawer cabinet with 154 interior drawer compartments, (1) 1-shelf cabinet with sliding doors 56.5" W x 28.5" D x 83.5" H	3823.38

MOBILE STORAGE CABINETS FOR REPAIR AREAS

NEW

- Includes individual drawer latches and handles
- PrevenTip® locking system – one-drawer-at-a-time feature prevents accidental tipping
- Includes individual lock and 2 keys
- Includes 7 drawers
- Includes butcher block top
- 440 lb. drawer capacity
- Powder coated in Bright Blue paint
- Shipped 2-3 days of order
- Available in other colors with 4 week delivery

Part Number		Price per ea.
33-1424-00	28.25" W x 22.5" D x 41.5"H	1583.74
33-1425-00	40.25" W x 22.5" D x 41.5"H	1825.01

JOIN US AND DISCOVER THE POWER BEHIND NAMA!

Take advantage of our leadership and programs designed for your success.

Vending, Coffee Service & Foodservice

Information exclusively for the vending industry.

- "Tool Kits" offering FREE consumer market study results, operational forms & Power Point presentations you can use.
- Balanced for Life…Part of the Solution! Learn to educate clients about nutrition, healthy diets and the importance of physical activity in a healthy lifestyle. Visit www.balancedforlife.net for assistance.
- Foodservice and hospitality consulting to assist in creating innovative and trendy ideas for catering, menu planning & location design.

Knowledge Through Education

Learn and grow your business through exceptional training courses & programs.

- Executives – MSU Executive Development & Certified Executive Programs (NCE)
- Supervisors – Supervisor Development Program
- Route drivers – Route Driver Certification
- Technicians – Technician Training

Health & Safety

Let NAMA keep you up to date with the ever changing industry standards and guidelines.

- OSHA Hazard Communication Standard
- Food Labeling Guidelines & Practices
- MDB/ICP Specifications

Government Affairs

NAMA offers assistance in sorting out issues regarding:

- Taxation
- Coin/currency
- Vending in schools
- Other industry concerns

Expos

- National Expo, October 10-12, 2007, Chicago, IL
- Spring Expo, March 27-28, 2008, Las Vegas, NV
- National Expo, October 15-17, 2008, St. Louis, MO

VISIT WWW.VENDING.ORG FOR MEMBERSHIP DETAILS OR CALL TOLL FREE 1-888-337-8363

It's the best move you'll ever make!

MODEL 6000/7000 (7000 SHOWN)

Part Number	Description	Price per ea.
	Replacement Trim –Call for details	
H750141AP	Front Glass (7000)	72.10
H7501411AP	Front Glass (6000) (not shown)	67.95
H750181AP	Bin Door (7000)	29.40
H7501811AP	Bin Door (6000) (not shown)	38.25
600195	Rear Leg (not shown)	14.91
600302	Front Leg Hinge Side	11.86

Part Number	Description	Price per ea.
H320055AP	Trim Ring	69.70
H440349AP	Instruction Plexi	7.00
320054	Bezel	61.47
H440225AP	Buttons	.36
H6602661AP	Switch Membrane	55.70
30-0184-00	T-Handle	15.30
H440296AP	Coin Return Bezel	2.75
300103	Leveler	1.56

MODEL 113

Part Number	Description	Price per ea.
	Replacement Trim –Call for details	
H750141AP	Front Glass	72.10
H750181AP	Bin Door	29.40
600195	Rear Leg (not shown)	14.91
600302	Front Leg Hinge Side	11.86

Part Number	Description	Price per ea.
H6604441AP	Trim Ring	35.43
H440310AP	Display Lens	14.25
H440304AP	Buttons	.31
H660366AP	Switch Membrane	44.15
660319	T-Handle w/ Lock Arm	22.00
H440296AP	Coin Cup Trim	2.75
H201156AP	Coin Return Door	3.80
600197	Front Leg Lock Side	10.70
300103	Leg Leveler	1.56

AP GOLDEN EYE GUARANTEED DELIVERY SYSTEM RETROFIT KITS

NEW

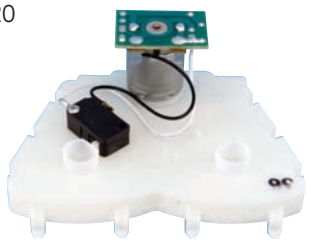
- Maximize your profits by ensuring vend success every time!
- Falling packages break the infrared transmissive sensor beam confirming a successful vend
- Eliminate credit vouchers and dissatisfied customers
- Flexible system allows you to choose the operating mode that works best for you
- Here's how Golden Eye works:

1) When a customer makes a selection, the spiral rotates one full revolution.
2) Golden Eye features an infrared transmissive sensor that detects if the product has dropped into the delivery bin.
3) Choose "Home" Mode or "Drop" Mode:
   a. "Home" mode: If the product fails to vend on the first try, the spiral will automatically make up to two additional revolutions in an attempt to vend the selection. As soon as the selection drops, the vend is complete and the spiral returns to the "home" position.
   b. "Drop" mode: If the product fails to vend, the spiral runs a partial revolution stopping when the product is detected. This method leaves the spiral in the position where it stops.
4) If, however, the selection still fails to vend after three attempts, the customer can make a new selection or receive a refund.
5) **Spiral position:**
   a. **"Home" mode:** Golden Eye always returns the spiral to the "home" position for optimal product display.
   b. **"Drop" mode:** Golden Eye keeps the spiral in it's stopping position, minimizing unpaid product loss.

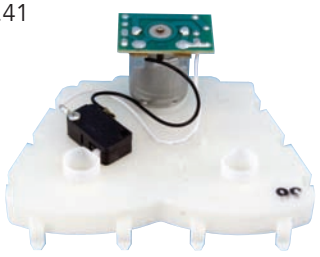
Part Number	Description / Model Dates	Model #	Price per ea.
H17500021AP	Golden Eye Retrofit Kits (Manufactured before 3/1/02) Before S/N 12x02060000	121, 122, 123	195.00
17500027	Golden Eye Retrofit Kits (Manufactured after 3/2/02) After S/N 12x02061000	121, 122, 123, 128, 129	75.00
17500028	Golden Eye Retrofit Kits (All)	S1, S2, S3, S4, S5	75.00
H17500037AP	Golden Eye Retrofit Kits (Manufactured before 4/15/03) Before S/N 32003105000	320 A LA CARTE *	240.00
17500038	Golden Eye Retrofit Kits (Manufactured after 4/15/03) After S/N 32003105999	320 A LA CARTE *	150.00
17500036	Golden Eye Retrofit Kits (Manufactured after 3/4/02) After S/N 12x02063000	125 and 127 *	215.00

* Includes parts needed for adapting the host merchandiser

DUAL SPIRAL VEND MOTOR
For 111/112/113 machines
H360169AP
18.20

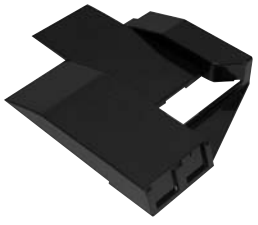


DUAL SPIRAL VEND MOTOR
For LCM models
Ref. No. 360169-1
H360169-1AP
15.41



SHELF ROLLER NUT
For 425/430/435/4000/5000/6000/7000/LCM1/LCM2/LCM3/LCM4/111/112/113 machines
H43741AP
.20

SHELF END - NEW STYLE
For 111/112/113/4000/5000/6000/7000 machines
H440285AP
1.75



CANDY TAB HOLDER
H440262AP
3.00

SHELF ROLLER SCREW
For 425/430/435. 5000/6000/7000 machines
H300137AP
.38

SHELF ROLLER
For 111/112/113/LCM1/LCM2/LCM3 LCM4 machines
H440362AP
.41

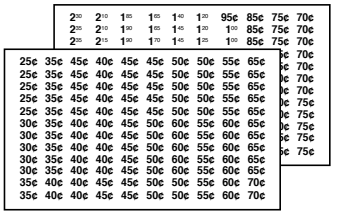
ITEM TABS
For 4/5/6000/111/112/113/LCM1/LCM2/LCM3/LCM4 machines
H460346AP
3.95

SHELF LOCK
For 425/430/435. 5000/6000/7000 machines
H440161AP
1.24

SPIRAL RETAINER
For 425/430/435/4000/5000 machines
H440125AP
.71

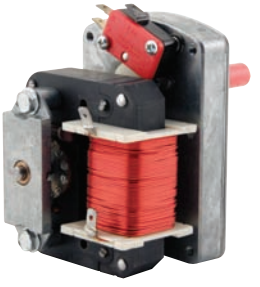
SHELF ROLLER STUD
For 111/112/113/LCM1/LCM2/LCM3/LCM4/6000/7000, "C" Series machines
H300203AP
.39

PRICE TABS - .25 - $2.50
For 111/112/113/LCM1–4/6000/7000/"C" series Snackshop machines
H460347AP
5.20



SHELF ROLLER
For 425/430/435/5000/6000/7000 machines
H440123AP
1.15

GUM & MINT MOTOR
For 425/430/435 machines
H360065AP
85.00

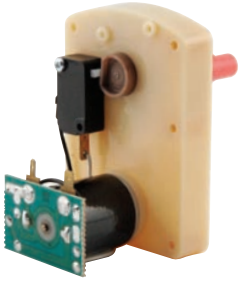


SPIRAL PRODUCT PUSHER
For 425/430/435/4000/5000 machines
H4401411AP
.28

DUAL SPIRAL SHELF FRONT
H440367AP
1.70

VEND MOTOR
Used in the 123 Series Snack and320 Frozen Food machines
H360276AP
17.45

GUM & MINT MOTOR
For 4000/5000/6000 machines
H360081AP
24.10



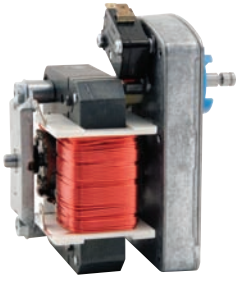
FRONT ROLLER GUIDE
For 425/430/435. 4000/5000 machines
H440130AP
.65

SELECTION PAD
For 6000/7000 machines
H6602661AP
55.70

PRODUCT MOTOR
For Snackshop111/112/113/4000/ 5000 /6000/7000 machines
H360138AP
13.85

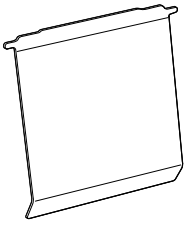
SHELF VEND MOTOR
For Snackshop 113/112/111 machines
H3601381AP
20.00

PRODUCT MOTOR
For 425/430/435 machines
H360056AP
88.60

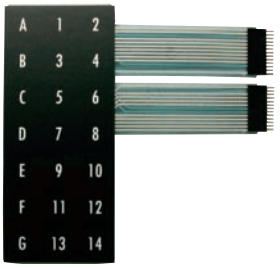


DUAL SPIRAL MOTOR
H360240AP
16.63

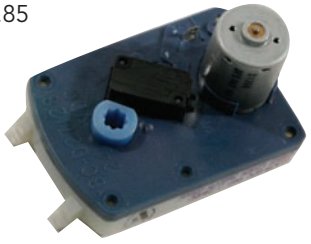
COIN RETURN FLAP - For Snackshop 111/112/113, "C" Series Coffee/Cold Can Drink/Snacks/4000/5000 machines
H201156AP
3.80



SELECTION PAD
For 4000/5000 machines
H660266AP
44.00



SHELF MOTOR
Used on 120/320 series
H360275AP
13.85



SELECTOR BUTTON
For 4000/5000/6000/7000 machines
H440225AP
.36

COIN RETURN TRIM
For Glassfront machines
H750144AP
7.10

COIN PLASTIC CUP DOOR FOR LCM 5
440412
2.52

SHELF DIVIDER FOR 320 MACHINES
202759
3.79

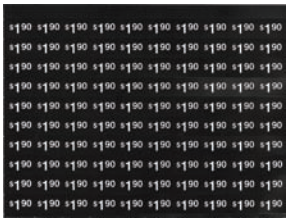
LEG LEVELER
300103
1.56

FRONT ROLLER GUIDE - LEFT
For 400 series/6000 machines
H440264AP
2.00

FRONT ROLLER GUIDE - RIGHT
For 400 series/6000 machines
H440263AP
1.20

COIN CHUTE
For 4000/5000/6000/7000 machines
H660289AP
9.85

PRICE TABS
For Snackshop 4000-7000 and 110 series machines



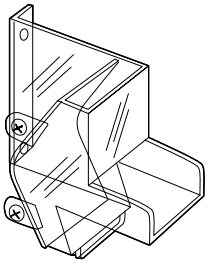
Part Number	Price Tabs	Price per ea.
H4603472AP	.40/.45	3.10
H4603473AP	.50/.55	3.10
H4603474AP	.60/.65	3.10
H4603475AP	.70/.75	3.10
H4603476AP	.80/.85	3.10
H4603477AP	.90/.95	3.10
H4603478AP	1.00/1.05	3.10
H4603479AP	1.10/1.15	3.10
H46034710AP	1.20/1.25	3.10
H46034711AP	1.30/1.35	3.10
H46034712AP	1.40/1.45	3.10
H46034713AP	1.50/1.55	3.10
H46034715AP	1.70/1.75	3.10
H46034717AP	1.90/1.95	3.10

GUM & MINT MOTOR
For Snackshop113/112/111/6000 machines
H360105AP
13.55

SPIRAL RETAINER, LEFT HAND, GRAY
For 111/ 112/ 113/ LCM 1,2,3,4
H440366AP
.78

SPIRAL RETAINER, WHITE
For 6000/ 7000/ 111/ 112/ 113/ LCM 1,2,3,4
H440287AP
.61

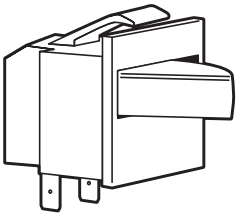
COIN CHUTE ASSEMBLY
Water resistant - For Snackshop 111,112,113/ LCM 1,2,3,4
H660488AP
5.15



COIN RETURN BUTTON
For 111, 112, 113 Snackshop

H440289AP	Gray	2.75
H4402893AP	Black	3.15

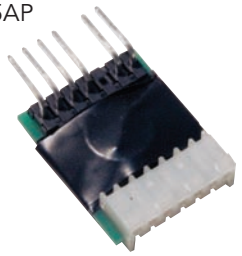
DOOR SWITCH
For 111/112/113
H380258AP
5.10



UPPER HINGE FOR 113, 103, 7000 MACHINES
6401071
13.54

COIN RETURN CUP
For Snackshop 111/112/113/4000/5000 machines
H201155AP
10.35

BOARD PROTECTOR
For 4000 machines
H660335AP
58.70

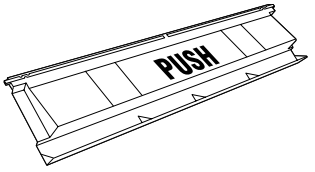


CONTROL BOARD LITHIUM BATTERY
For 4000/5000 machines
27-1002-00
9.90

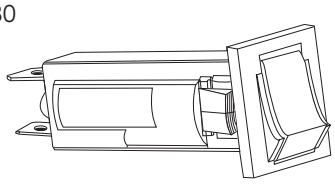
MARS DOLLAR BILL ACCEPTOR MOUNTING BRACKET
For 6000, 6000XL and 7000 machines
H201433AP
2.75

DELIVERY DOOR
For 425/430/435/4000/7000 machines
Old ref. # 600258
H750181AP
29.40

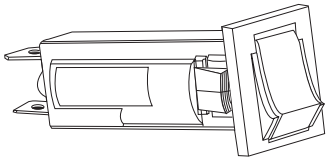
DELIVERY DOOR
For 5000, 6000 machines
Old ref.# 6002581
H7501811AP
38.25



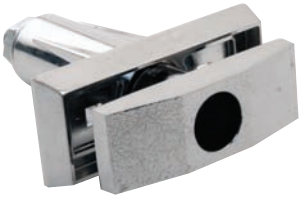
15 AMP CIRCUIT BREAKER
Used on LCM 1/2/3/4, Snackshop 110 Series, "C" Series Cold Can Drink
H380241-1AP
5.80



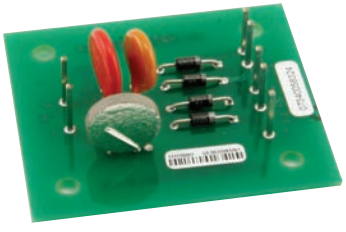
3 AMP CIRCUIT BREAKER
H380241AP
4.14



1/4"TURN T-HANDLE ASSEMBLY
Rowe Ref. #479-1420
A.P. Ref. #420146
30-0184-00
15.30

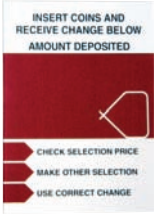


POWER SUPPLY BOARD
For 111/112/113/6000/7000/203/213 machines
H360109AP
28.45



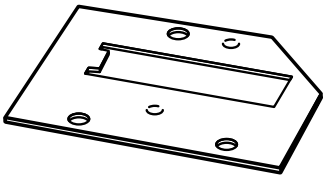
FILTER HARNESS
For all Snack machines
H680467AP
8.45

COIN INSTRUCTION PLATE
For 7000 machines
H440349AP
7.00



LEG LEVELER WITHOUT NUT
2" shank length
3/8-16 2"
49-1002-00
.91

COIN CHUTE BRACKET
H201712AP
1.70

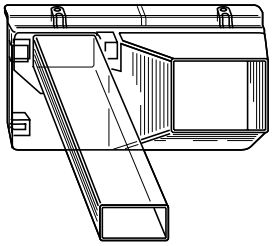


COIN ENTRY
H440279AP
1.30

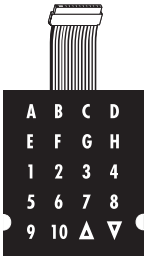
PLASTIC COIN DROP
For Snackshop 111,112,113/
LCM 1,2,3,4
H440311AP
3.80

PRIMARY BUTTON 15 SELECTION
38426
.45

PLASTIC LOWER COIN CHUTE ASSEMBLY
For 111/112/113
H750182AP
13.95

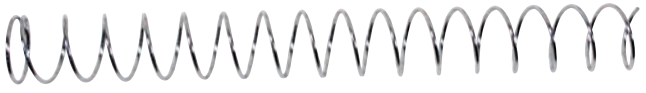


SELECT SWITCH AND BACK PLATE ASSEMBLY
Used on LCM 1/2/3/4 Snackshop
H660519AP
46.05



SHELF ROLLER
Used on 'C' Series / 6000 / 7000 snack machines
H440277AP
.53

SPIRALS



Part Number	Description	Price per ea.
	Right Hand Spirals:	
4001211	Right Hand Spirals-Candy & Dual 15 Count	8.50
H4001681AP	Right Hand Spirals-Candy & Dual 10 Count	12.80
4001201	Right Hand Spirals-Candy & Dual 12 Count	8.50
H4001641AP	Right Hand Spirals-Candy & Dual 7 Count	8.50
4001221	Right Hand Spirals-Candy & Dual 18 Count	8.50
4001231	Right Hand Spirals-Candy & Dual 24 Count	8.49

Part Number	Description	Price per ea.
	Left Hand Spirals:	
H4001711AP	Left Hand Spirals-Dual 15 Count	13.20
H4001701AP	Left Hand Spirals-Dual 12 Count	12.80
4001791	Left Hand Spirals-Dual 9 Count	8.50
H4001781AP	Left Hand Spirals-Dual 7 Count	8.50
	Snack/Pastry Spirals:	
4001621	Snack/Pastry 6 Count	8.50
4001531	Snack/Pastry 7 Count	8.50
H4001271AP	Snack/Pastry 10 Count	8.50
4001281	Snack/Pastry 12 Count	8.50
4001291	Snack/Pastry 15 Count	8.50
H4001691AP	Snack/Pastry 10 Count	12.80

Part Number	Description	Price	Page
114418	Screw	.10	—
1168R6	Screw 8/32 X 3/8 Phillips Ap Snack	.09	—
12000399	Screen 320 New Style	54.15	—
13100002	Roll Pin	.33	—
13600010	Lock PCB Golden Eye Side	70.30	—
1400000301	Spiral Long 6 Space Lh	8.50	—
14000016	Spiral Left Hand 24Ct Ap Studio	8.50	—
141771	Socket Utility for 211 Coffee Machines	1.30	—
14400015	Button Keypad, Dark Gray	3.27	—
16000098	Coin Cup Security Weld Old LCM	27.00	—
1600009801	Coin Security Cup Assembly	24.30	—
16400075	Shelf Track Asm Right St3	8.15	—
16400077	Shelf Track Asm Left St3	6.74	—
16600170	Coin Cup Security Studio Series	50.00	—
16600335	Assembly Gum & Mint Display Hinge	1.19	—
16600388-03	Snack Shelf Asm St3	175.00	—
16700014	Motor Can 24V Ic Snapin	14.55	—
16800044	DEX/UCS Harness Chassis Mount	17.78	—
16800136	Harness Bi-Metal Defrost Ap 320 New	62.00	—
17400153	Price Rolls for Studio Series Machines	.75	—
17400154	G/M Price Tab Scrl-Horizontal for	.60	—
17500002	Thermal Door Switch Kit	21.84	—
17500003	Memory Button Chip With Holder for	37.73	—
17500027	AP Golden Eye Retrofit Kits	75.00	433
17500028	AP Golden Eye Retrofit Kits	75.00	433
17500036	AP Golden Eye Retrofit Kits	215.00	433
17500038	AP Golden Eye Retrofit Kits	150.00	433
2007532	Candy Shelf Divider	4.71	—
200763	Inner Door	27.03	—
201156	Coin Return Door	2.67	—
201389	Front Roller Retainer for Snack Machines	3.17	—
201411	Spacer Right G/M Tray Ap	2.64	—
2014111	Spacer Left G/M Tray	2.74	—
2014112	Column Spacer Right G/M Tray	3.37	—
201561	Breaker 3 Amp Circuit	14.15	—
201634	Support Coin Return Button	2.99	—
2016R11	Screw 6-18 X 11/16	.09	—
201712	Coin Chute Bracket	1.10	—
202090	Assembly Left Side Shelf Track	4.29	—
202759	Shelf Divider for AP 320 Machines	3.79	436
202759	Shelf Divider for AP 320 Machines	3.79	—
202810	Coin Return Cup	12.93	—
20645	Assembly Auger	6.31	—
21449A	Heater And Gasket For 213,203,8050,850	16.99	—
2146512	Spiral 12 Count Ams Snack	6.60	—
2188R22	Screw Phil Ph Hi-Lo #8 X 1 3/8 Ap Snack	.14	—
24000035	Spring Piston 12Oz Brewer	3.30	—
24400010	Blade Wiper Fixed Filter Brwr	1.20	—
24400028	Insert Hopper Long	7.52	—
2440002801	Insert Hopper Mini Grinder	4.69	—
24400041	Grommet .47Dia	1.52	—
24400067	Grommet Plug .87 Dia	2.24	—
2440007201	Hood Whipper	2.03	—
24400080	Elbow Reducer	1.46	—
24400088	Adapter Pipe Outlet	1.44	—
2440008901	Bowl Whipper	1.68	—
24400138	Inlet Water Commodity	1.52	—
25886	Adapter Water-Inlet	6.67	—
27-1002-00	Control Board Lithium Battery	9.90	437
27500062	Kit 223 Tank Inlet Replacement	16.46	—
27500093	Kit Spout Stop And Gear Retainer 223	12.99	—
27500105	Kit Power Relay Modification	19.57	—
2768R6	Screw	.20	—
2768R8	Screw 8-32X1/2 Ph Pan Hd T23	.07	—
27792	Screw	.19	—
28218201	Solenoid Assembly 748	26.41	—
28218401	Harness Vend Door 748	34.65	—
29972	Trim,Top Header-Silver	37.06	—
300103	Leg Leveler	1.56	432, 436
300156	Door Stop Anchor	1.55	—
30-0184-00	1/4Turn T-handle Assembly	15.30	432, 437
300206	Window Screw Snack	.59	—
300212	Pivot Pin Coin Cup Door Snack	1.10	—
3014049	Gasket # 00875	1.09	—
3058R6	Screw Pan Head	.07	—
320054	Bezel	61.47	432
3400553	Trim Horizontal	9.73	—
340057	Trim Vertical L/R Sliver	17.77	—
340062	Trim Vertical Clear	16.23	—
3400624	Trim Euro Style Clear Ap 111	8.10	—
36009	Assembly Switch Selector 211	38.11	—
3601222	Motor Fan 120V	28.39	—
360130	Display Board	69.26	—
360204	Cold Control Lcm 4	41.61	—
360237	Vend Motor, Conveyor	17.97	—
360244	Display Board 123	143.95	—
360266	Eprom Flash123/320V5.23	35.00	—
36027011	Relay Start Refrigeration	12.02	—
36649	Seal Mini Grinder	5.40	—
3800523	Strain Relief Bushing	2.01	—
380100	Gum/Mint Empty Switch	11.11	—
380306	Switch Empty Lcm4	4.27	—
38426	Primary Button 15 Selection	.45	438
38426	Primary Button 15 Selection	.45	—
400007	Stabilizer Spring Snack	.34	—
4000DX	Bulb #F40/Dx 48In Daylite Deluxe	1.57	—
4001171	Short C Spiral,10 CT,RH,Chrome	8.76	—
4001181	12 Count Candy Spiral, C-Series	8.50	—
4001201	Right Hand Spirals-Candy & Dual 12 Count	8.50	438
4001211	Right Hand Spirals-Candy & Dual 15 Count	8.50	438
4001221	Right Hand Spirals-Candy & Dual 18 Count	8.50	438
4001231	Right Hand Spirals-Candy & Dual 24 Count	8.49	438
4001241	6 Count Spiral, C-Series Snack	8.76	—
4001261	10 Count Spiral - Snk C-Series	8.50	—
4001281	Snack/Pastry 12 Count	8.50	438
4001291	Snack/Pastry 15 Count	8.50	438
4001531	Snack/Pastry 7 Count	8.50	438
4001621	Snack/Pastry 6 Count	8.50	438
4001651	4 Count Snack Spiral	8.50	—
4001671	6 Count Candy Spiral - 113	8.50	—
4001711	Spiral Dual 15Ct Lh	8.50	—
4001731	Spiral Dual 6Ct Rh Short	8.50	—
4001741	Spiral Dual 6Ct Lh Short	8.66	—
4001751	Spiral Dual 8Ct Lh Short	8.76	—
4001761	Spiral Dual 10Ct Lh Short	8.76	—
4001791	Left Hand Spirals-Dual 9 Count	8.50	438
400180	Retainer Cashbox A/P	2.17	—
4001831	Spiral 4Ct Rh Short 320	8.50	—
4001841	Short C Spiral, 4CT.,LH,Chrome	8.50	—
4001851	Spiral 3Ct Rh Short	8.50	—
420071140	Lock Plug	14.56	—
42013412	Paint Aerosol Light Grey Ap	16.00	—
420142	Pin Drive Shelf Plug	.13	—
420144	Ferrule To Secure Bezel for	.18	—
420282	Washer,Bin Door	.39	—
420303	PCB Board Stand-Off	.25	—
420347	Service Door Gasket 320	4.26	—
420367	Gasket Pre-Cut 320	2.50	—
420369	T Handle 1/4 Turn	22.55	—
43841	Nut 1/4X20 Keps	.10	—
440129	Door Bearing	.41	—
4401663	Plastic Window 7M	287.11	—
440204	Door Stop Friction Pad Snack	.59	—
440215	Product Pusher, Black	.45	—
440265	Pusher	1.93	—
440274	Roller	.28	—
440278	Gum And Mint Tray Slide	1.38	—
4402962	Trim, Coin Cup	1.85	—
4403731	Bin Door 111/112 BLK	25.13	—
440389	Bezel Selector - LCM Black	13.34	—

Part Number	Description	Price	Page
440392	Motor Pivot Arm	.58	—
440393	Link Arm	.61	—
440411	Bezel Coin Cup 123A	2.57	—
440412	Coin Plastic Cup Door for LCM 5	2.52	435
440442	Bezel Selector Black	2.89	—
4404442	Trim Ring, Black w/o Rib	9.49	—
440460	Motor Cover Switch 320	.36	—
46034720	Price Tabs $2.20-$2.25	5.20	—
46034721	Price Tabs $2.30-$2.35	5.20	—
46034722	Price Tabs $2.40-$2.45	5.20	—
46034723	Price Tabs $2.50-$2.55	5.20	—
46034725	Price Tabs $2.70/$2.75	5.20	—
46034728	Price Tabs $3.00 & $3.05	5.20	—
460356	Decal for Coin Return Button	.41	—
460375	Accepts $1 Bills Decal	1.46	—
460414	Decal, Black for Control Center Bezel	6.54	—
460425	Debit Card Space Decal Snack	2.97	—
460436	Window Edging Per Inch	.10	—
460453	Decal Bezel 850 2000	2.41	—
460665	White Poly Foam For Ap320	8.85	—
460683	Item Label 320	4.04	—
460684	Price Tabs $0.50 TO $4.55	5.22	—
49-1002-00	Leg Leveler Without Nut	.91	437
593615	Hub Idler Gear Dual Spiral	1.86	—
593617	Spiral Guide Rowe	.93	—
600195	Rear Leg	14.91	432
600197	Front Leg Lock Side for 113 Machines	10.70	432
6003001	Heavy Duty Door Lock Catch	3.57	—
600302	Front Leg Hinge Side	11.86	432
600474	Coin Cup Weld	15.55	—
6330027	Armature Assembly Siebe K-57450	11.83	—
6331073	Motor Exhaust Blower Crane	24.82	—
640098	Inner Bin Door Arm	2.40	—
640101	Shelf Snack Spacer	6.00	—
6401071	Upper Hinge for 113, 103, & 7000 Machines	13.54	436
640131	Lock T Handle Arm Assembly	4.39	—
640218	Bottom Latch Assembly	48.13	—
65067101	Lower Track Assembly	3.59	—
660178	Candy Spacer	3.09	—
6602401	Cord Complete Ap 6/7000	5.91	—
660319	T-Handle for 113 Machines	22.00	432
660323	Coin Return Button & Decal	4.70	—
660368	Front Bezel	117.85	—
660369	Selection Button Assembly	3.22	—
6604661	Blower Assembly 115V	145.80	—
660503	Half Cycle Rail	27.57	—
660581	Coin Cup Assembly Front Curved Black	21.36	—
660653	Harness Shelf Assembly 320	31.72	—
660686	Product Rail And Screw	25.55	—
6803134	Fan Motor115V	30.05	—
680475	Harness-VFM L1 VAL ON 112/113	34.85	—
680509	Harness Dex/Ucs	11.53	—
680548	Harness MEI 24V VAL ON LCM	27.32	—
680613	Harness Mdb Lcm	10.02	—
680654	Defrost Harness W/Bi-Metal	52.57	—
750202	Kit P.O.S. Window Retrofit	25.78	—
924176	Nut 3/4 Rowe	.30	—
934441	Screw Self Tap Shelf Roller	.24	—
94100092	Clip Screen	4.50	—
95-0581-00	Vending Motor Switch	1.85	—
A400MDB	MDB Conversion Kit AP 4000	159.00	—
DE727	Price Label New Vc1100 Seaga	2.70	—
H1124053V	Price Label .90-1.50 Vendo	3.99	—
H1670001401AP	Motor Can 24V Snap In LCM4	20.67	—
H16700016AP	Motor Evaporator 320	66.88	—
H17500021AP	AP Golden Eye Retrofit Kits	195.00	433
H17500037AP	AP Golden Eye Retrofit Kits	240.00	433
H18443AP	Nut,1/4 S-T Zp Sr250000S011	.18	—
H200068AP	Coin Return Flap	6.35	—
H200654AP	Locking Cam	1.50	—
H200913AP	Rear Bracket- Product Rail - Candy	1.75	—
H201155AP	Coin Return Cup	10.35	437
H201155AP-SS	Coin Return Cup Stainless Steel Version	12.60	—
H201156AP	Coin Return Door for 113 Machines	3.80	432, 435
H201156AP-SS	Coin Return Flap matic Products-Stainless Steel	4.25	—
H201357AP	Right Side Panel For 7000	38.55	—
H201389AP	Front Roller Retainer	4.20	—
H201433AP	MEI Dollar Bill Acceptor Mounting Bracket	2.75	437
H201660AP	Coin Return Bracket	1.70	—
H201712AP	Coin Chute Bracket	1.70	437
H202770RM	Shelf Divder Ext. (Long)	4.75	—
H26600109AP	Assembly Brew Valve 12 Oz	56.97	—
H27500004-1AP	Complete Filter Assembly	68.30	—
H2750010902AP	Kit Meanwell with Power Supply for 223 Machines	263.93	—
H27537996AP	Fill Assy For Ap Hot Drink	20.39	—
H300137AP	Shelf Roller Screw	.38	434
H300203AP	Shelf Roller Stud	.39	434
H320010AP	Coin Return Lever	16.30	—
H320011AP	Coin Return Trim	20.35	—
H320012AP	Instruction Trim	21.15	—
H320043AP	Gum & Mint Display Trim	37.55	—
H320044AP	Coin Instruction Trim	36.30	—
H3200452AP	Main Button Trim	36.40	—
H320055AP	Trim Ring	69.70	432
H3400446AP	Top Trim	26.80	—
H360056AP	Product Motor	88.60	435
H360065AP	Gum & Mint Motor	85.00	434
H360081AP	Gum & Mint Motor	24.10	435
H360097AP	Harness Control Board	34.85	—
H3601051AP	Gum & Mint Motor	13.55	—
H360105AP	Gum & Mint Motor	13.55	436
H360109AP	Power Supply Board	28.45	437
H3601381AP	Shelf Vend Motor	20.00	435
H360138AP	Product Motor	13.85	435
H360146AP	Water Inlet Valve Assy	83.70	—
H360155AP	Shelf Vend Motor, Half Cycle	19.40	—
H360164AP	Transformer 110 Series	127.95	—
H360165AP	Control Board 110 Series	547.10	—
H360166AP	Display Board without Optics	185.75	—
H360169-1AP	Shelf Roller Stud	15.41	434
H360169AP	Dual Spiral Vend Motor	18.20	434
H360195AP	Control Board For LCM Models	351.70	—
H360199AP	LCM4 Motor	25.75	—
H360223AP	Motor	72.90	—
H360240AP	Dual Spiral Motor	16.63	435
H360241AP	1/2 Cycle Shelf Vend Motor Replaces 360155	13.44	—
H360253AP	Selector Keypad	33.05	—
H360275AP	Shelf Motor	13.85	435
H360276AP	Vend Motor	17.45	435
H380239AP	Door Operate Switch For 6000/7000		—
H380241-1AP	15 AMP Circuit Breaker	5.80	437
H380241AP	3 AMP Circuit Breaker	4.14	437
H380243AP	Rocker Switch	9.50	—
H380258AP	Door Switch	5.10	436
H380313AP	Relay	29.75	—
H380322AP	Relay	39.30	—
H400095AP	Door Stop For 4000	4.80	—
H400116-1AP	Spiral	8.80	—
H4001191AP	6 Space Dual Spiral, Candy,	12.80	—
H400120AP	12 Space Dual Spiral, Candy,	12.50	—
H400121AP	15 Space Spiral, Candy Right Hand	13.20	—
H400122AP	18 Space Spiral, Candy Right Hand	8.50	—
H400124-1AP	6 Space Snack	12.60	—
H4001251AP	8 CT Spiral - Short	14.45	—
H400125-1AP	8 Space Snack Spiral For 500/5000	12.60	—
H4001271AP	Snack/Pastry 10 Count	8.50	438
H400127AP	10 Space Spiral, Pastry	10.79	—
H400128AP	12 Space Spiral, Pastry	12.75	—
H400162AP	6 Space Spiral, Pastry	12.80	—
H4001641AP	Right Hand Spirals-Candy & Dual 7 Count	8.50	438

Part Number	Description	Price	Page
H400167AP	6 Space Candy, Pastry	12.80	—
H4001681AP	Right Hand Spirals-Candy & Dual 10 Count	12.80	438
H4001691AP	Snack/Pastry 10 Count	12.80	438
H4001701AP	Left Hand Spirals-Dual 12 Count	12.80	438
H4001711AP	Left Hand Spirals-Dual 15 Count	13.20	438
H4001781AP	Left Hand Spirals-Dual 7 Count	8.50	438
H4001861AP	Short Spiral 3 Space Lh Chrome	8.80	—
H420071129AP	Lock Plug Gg129	14.56	—
H420071136AP	Lock Plug Gg136	14.56	—
H420096AP	Harness Clamp, Large	1.70	—
H420097AP	Harness Clamp, Small	.67	—
H420315AP	Delivery Door Bin Pad	9.10	—
H43741AP	Shelf Roller Nut	.20	434
H440001AP	Selector Button	2.10	—
H440113AP	Instruction Glass With Changer	11.50	—
H440123AP	Shelf Roller	1.15	434
H440125AP	Spiral Retainer	.71	434
H440126AP	Shelf Guide SSII	3.89	—
H440130AP	Front Roller Guide	.65	435
H4401411AP	Spiral Product Pusher	.28	434
H440161AP	Shelf Lock	1.24	434
H440206AP	Instruction Glass	6.55	—
H440221AP	Gum & Mint Display, Plastic	6.60	—
H440225AP	Selector Button	.36	432, 435
H440247AP	Gum & Mint Ejector, Wide	1.60	—
H440262AP	Candy Tab Holder	3.00	434
H440263AP	Front Roller Guide - Right	1.20	436
H440264AP	Front Roller Guide - Left	2.00	436
H440273AP	Gum & Mint Shelf Front	.98	—
H440277AP	1/4Turn T-handle Assembly	.53	438
H440279AP	Coin Entry	1.30	437
H440285AP	Shelf End - New Style	1.75	434
H440287AP	Spiral Retainer, White	.61	436
H4402893AP	Coin Return Button, Black	3.15	436
H440289AP	Coin Return Button, Gray	2.75	436
H440296AP	Coin Return Bezel	2.75	432
H440304AP	Buttons for 113 Machines	.31	432
H440309AP	Coin Entrance, Black	1.45	—
H440310AP	Display Lens for 113 Machines	14.25	432
H440311AP	Plastic Coin Drop	3.80	438
H440349AP	Coin Instruction Plate	7.00	432, 437
H440362AP	Shelf Roller	.41	434
H440366AP	Spiral Retainer, Left Hand, Gray	.78	436
H440367AP	Dual Spiral Shelf Front	1.70	435
H440373AP	Door Delivery Bin,113, Black	27.62	—
h440405AP	Spiral Retainer White Right Hand	.73	—
H440406AP	Spiral Retainer, Gray, Left Hand	.77	—
H440428AP	Cam Slide	2.85	—
H460346AP	Item Tabs	3.95	434
H46034710AP	Price Tabs, 1.20/1.25	3.10	436
H46034711AP	Price Tabs, 1.30/1.35	3.10	436
H46034712AP	Price Tabs, 1.40/1.45	3.10	436
H46034713AP	Price Tabs, 1.50/1.55	3.10	436
H46034714AP	Price Tabs 1.60 1.65	3.10	—
H46034715AP	Price Tabs, 1.70/1.75	3.10	436
H46034716AP	Price Tabs $1.80-$1.85	3.10	—
H46034717AP	Price Tabs, 1.90/1.95	3.10	436
H4603471AP	Price Tabs, $.30 & $.35	2.20	—
H4603472AP	Price Tabs, .40/.45	3.10	436
H4603473AP	Price Tabs, .50/.55	3.10	436
H4603474AP	Price Tabs, .60/.65	3.10	436
H4603475AP	Price Tabs, .70/.75	3.10	436
H4603476AP	Price Tabs, .80/.85	3.10	436
H4603477AP	Price Tabs, .90/.95	3.10	436
H4603478AP	Price Tabs, 1.00/1.05	3.10	436
H4603479AP	Price Tabs, 1.10/1.15	3.10	436
H460347AP	Price Tabs - .25 - $2.50	5.20	434
H460350AP	Window Edging Gasket	.28	—
H460361AP	Decal - Dollar	5.20	—
H460415AP	Selector Button Background	2.95	—
H460417AP	Insert Decal	.56	—
H460669AP	Selection Tabs, 120	5.65	—
H600433AP	Door Lock Catch Assembly	2.60	—
H640089AP	Lock Handle Assembly	121.65	—
H6401001AP	Delivery Door Bin Drive Pivot	8.05	—
H6401151AP	Changer Assembly Latching Bracket	4.10	—
H640123AP	Ap Locking Arm	4.14	—
H6600083AP	Coin Return Cup	13.05	—
H660174AP	Gum & Mint Switch	36.15	—
H6601763AP	Gum & Mint Pushbutton	6.65	—
H660191AP	Candy Product Rail	14.15	—
H6602661AP	Switch Membrane	55.70	432, 435
H6602661AP-90	Steel Panel Only For Use	6.05	—
H660266AP	Selection Pad	44.00	435
H660266AP-90	Steel Panel Only For H660266AP	7.15	—
H660289AP	Coin Chute	9.85	436
H660313AP	Gum & Mint Pusher &	4.95	—
H6603302AP	Product Rail	13.00	—
H660335AP	Board Protector	58.70	437
H660366AP	Switch Membrane for 113 Machines	44.15	432
H660367AP	Coin Return Assembly, Complete	15.32	—
H6604441AP	Trim Ring for 113 Machines	35.43	432
H660488AP	Coin Chute Assembly	5.15	436
H660519AP	Select Switch and Back Plate Assembly	46.05	438
H660595AP	Left Track Support	33.05	—
H660596AP	Right Track Support	20.90	—
H661762AP	Buttons, A-JJ	32.25	—
H6802703AP	Box, Interlock 6/7000 AP	81.80	—
H680355AP	24V MARS VAL HARN-AP/	26.97	—
H680457AP	Harness Connector Ribbon	6.82	—
H680467AP	Filter Harness	8.45	437
H680576AP	Harness, MDB Board To Coin Mech For Lcm Machine	16.75	—
H680630AP	Harness Power 310	10.73	—
H750115-2AP	Control Board No Digital	625.15	—
H750130AP	Selection Switch & Plate	29.71	—
H750135AP	Half Cycle Motor Kit	39.95	—
H7501411AP	Front Glass for 6000 Machines	67.95	432
H750141AP	Front Glass	72.10	432
H750144AP	Coin Return Trim	7.10	435
H750159AP	Dual Spiral Vend Motor Add On Kit	21.50	—
H7501811AP	Delivery Door	38.25	432, 437
H750181AP	Delivery Door	29.40	432, 437
H750182AP	Plastic Lower Coin Chute Assembly	13.95	438
P16724	Seal For Filter Screen	1.44	—
PI201208S	3/8-1/4 Reducing Union	1.30	—
R70042720	IC Eprom	17.60	—

CAVALIER

"SOLD OUT" LAMP
Ref. No. 509000
H509000C
3.55

SOLD OUT LIGHT
Ref. #S-5025-10
91-1160-00
1.15

SELECTION SWITCH
Ref.#S5910 95-0409-00 4.40

TIMER SWITCH
95-0407-00 2.00

LOCKING CAGE NUT
1/2" x 13 Thread
Cavalier Ref # S0835
43-1102-00
2.40

"USE CORRECT CHANGE" LAMP
Ref. No. 509200
H509200C
2.20

TEMPERATURE CONTROL
HC43186C
19.75

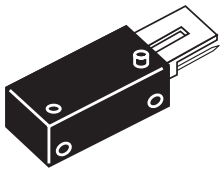
PRICE LABELS
1-1/4"x1-5/8"- White On Gray

Part Number	Label	Price per ea.	L/25
27-1092-00	.50	.44	.31
27-1093-00	.55	.44	.31
27-1094-00	.60	.44	.31
27-1095-00	.65	.44	.31
27-1096-00	.70	.44	.31
27-1097-00	.75	.44	.31
27-1098-00	.80	.44	.31
27-1100-00	.90	.44	.31
27-1101-00	.95	.44	.31
27-1102-00	1.00	.44	.31
27-1103-00	1.25	.44	.31
27-1104-00	1.50	.44	.31
27-1105-00	1.75	.44	.31
27-1106-00	2.00	.44	.31

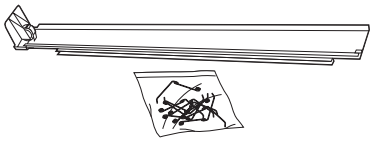
Dixie-Narco®

GLASS FRONT BEVERAGE VENDER

PROXIMITY SENSOR
H777DN
24.65

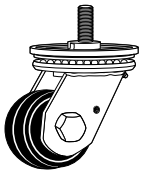


BOTTLE PUSHER KIT
9 per kit (Springs & Pushers)
H62200040014DN
31.55



T-BOLT
#8-32 x 3/4
Used on all machines
H90040035041DN
.28

CASTER KIT - 4 CASTERS PER KIT
Used on all machines
H49101020014DN
171.05

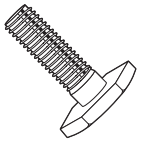


CHRISTMAS TREE CLIP - BLACK
H90090213001DN
.32

SLIDE, PRODUCT PUSHER
H80181201001DN 5 Tray, Tall Gate
8.40

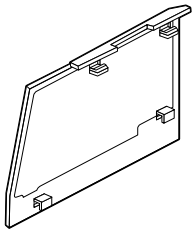
T-BOLT
8-32 x 1.37
Used on all venders
H90040041011DN
.45

LEG LEVELER - 1-5/8"
Used on all machines
H90050249091DN
1.80



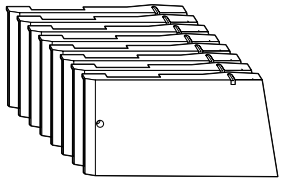
4" CAN SPACER, TALL GATE

H212-1DN	.155 x 3/16" Tall	1.80
H212-2DN	.340 x 3/8" Tall	2.00

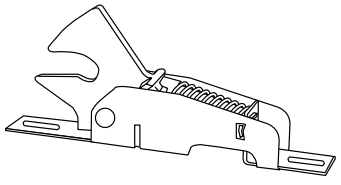


CAN SPACER KIT, short gate, 9 pcs.

H168-1DN	3/16" Tall	15.75
H168-2DN	3/8" Tall	16.30
H168-3DN	9/16" Tall	16.95



BURST OPEN LATCH
H80150161001DN
6.95



PRICE LABELS
See page 512 for details

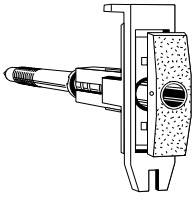
WARNING
Vending machine design prevents dispensing free product or coins.
NEVER ROCK OR TILT: Machine can fall over causing serious injury or death.
.55
60¢
INSTRUCTIONS
1. INSERT COINS IN ABOVE SLOT
2. PUSH BUTTON FOR SELECTION.
3. WHEN RED LIGHT IS VISIBLE IN SELECT BUTTON OR IF PRODUCT WAS NOT DELIVERED, PLEASE MAKE ANOTHER SELECTION.

Dixie-Narco®

T-HANDLES

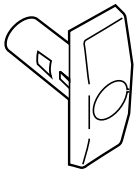
Used on "E" model machines
30-0194-00
14.95

H80150287001DN
13.95

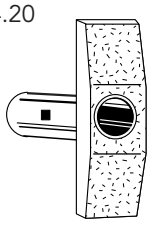


For NVRV machines
30-0195-00
7.35

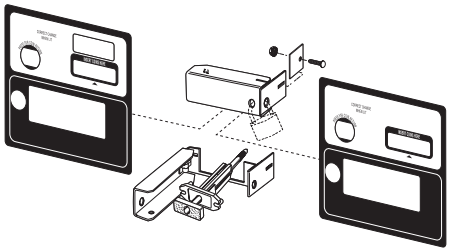
T-Handle only
Used on all machines
except 7UP
30-0183-00
4.20



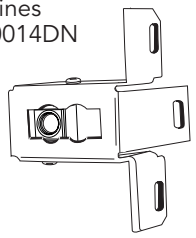
T-Handle Flange
30-0182-00
4.20



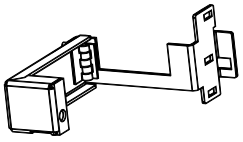
LOCK COVER KIT
Used on 'E' model and VRV machines with push button coin return
H48001120014DN
31.20



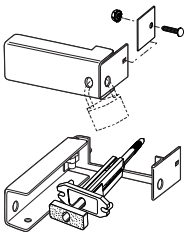
COMPLETE CAGE NUT ASSEMBLY
Used in 180 / 276 / 300 / 348 / 360 / 368 / 414 / 432 / 440 / 501 / 522 / 600 Coke machines
H43205250014DN
15.20



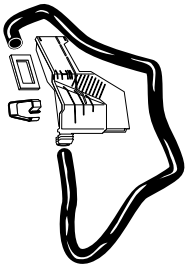
LOCK COVER KIT
For Coke, VRV with push button coin return and NVRV with coin lever return
H57201010034DN
28.90



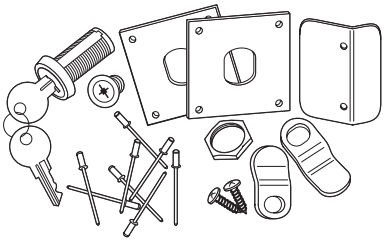
LOCK COVER KIT
For Pepsi Magnum serial # 3101 and up, generic round front, RC, Very Fine
H48001040024DN
28.90



VENDER DEFENDER KIT
H49154070034DN
39.00

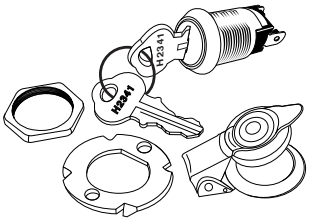


INNER DOOR LOCK KIT
H36001030014DN Key # 1289
H36001030014DN-1 Key # 1352
H36001030014DN-2 Key # 1414
13.00

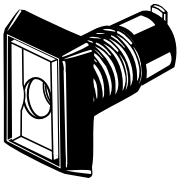


LOCKOUT SWITCH ASSEMBLY
- Protects the lock from weather damage
- Used in 5,6,7,8 Select Non-Membrane SIID Venders
- Used with H80490546011DN, Lockout Switch Lead Harness Assembly

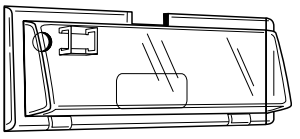
H80151010001DN
28.80



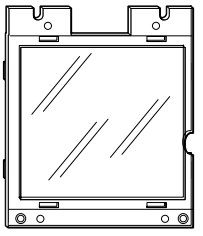
PUSHBUTTON ASSEMBLY
H80190302011DN
7.90



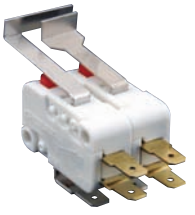
CLEAR PUSH BUTTON
1-7/8" x 3-7/16"
H80180511001DN
1.85



POINT OF SALE WINDOW
For Coke machines
H80180693041DN
4.75



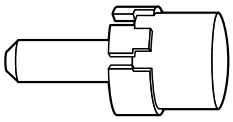
DOUBLE CLUSTER SWITCH
H80410069001DN
4.50



DOOR SWITCH
For SII and SIID machines
H80410077021DN
5.90

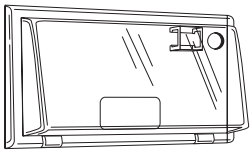
Dixie-Narco®

PUSH BUTTON
For Coke machines
H80180571061DN
.49

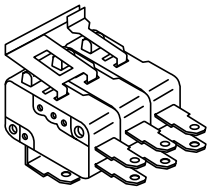


CLEAR PUSH BUTTON
3-3/8" x 2-3/4"
H80180451001DN
2.60

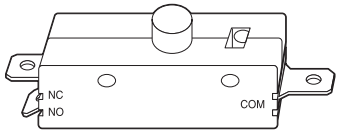
VERY FINE CLEAR BUTTON
H80180817001DN
3.45



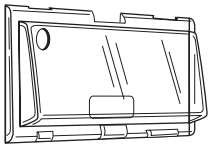
TRIPLE CLUSTER SWITCH
H80410070021DN
10.20



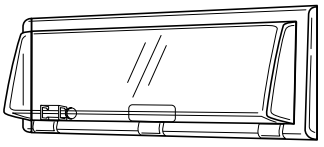
SELECT SWITCH
For all machines
95-0407-00
3.25



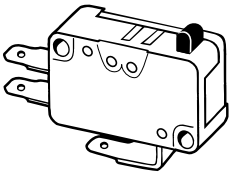
CLEAR BUTTON
Overall Size 3-1/2"w x 1-3/4"
H80180924001DN
1.95



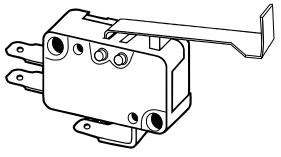
CLEAR PUSH BUTTON
2" x 7"
H80180482001DN
5.60



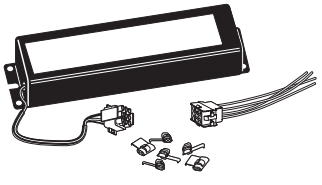
SELECT SWITCH
Ref. 804,100,710.21 Used on Coke, Dr. Pepper and 7UP machines
95-0733-01
.97



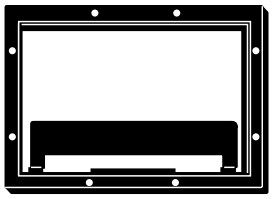
SINGLE SWITCH
Used on SII and E model machines
H80410073001DN
3.40



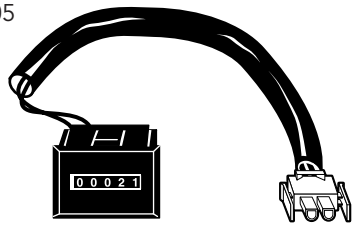
BALLAST
H80440037061DN
47.25



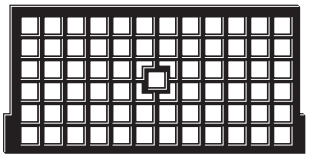
SPACER PORT
Used on Pepsi and generic machines
H80180550031DN
3.70



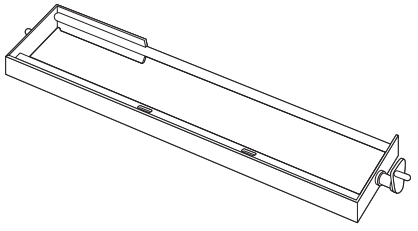
KIT COUNTER SERVICE
For all machines
H43201210034DN
18.05



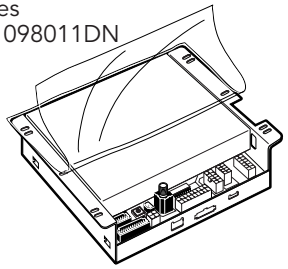
SHIM, FLAT
For any Rectangular Wide Column machines
H80180496021DN
1.80



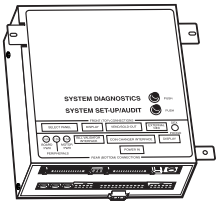
OSCILLATOR
For 'T' model machines
H80120102041DN
16.15



CONTROL BOARD
For non-Coke, SIID and 'E' model machines
H80491098011DN
294.20

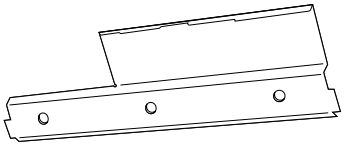


CONTROL BOX
For SII machines
H80490668091DN
445.00

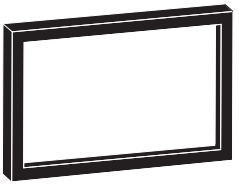


SHIM, BOTTLE
For 'E' Model machines
Old Ref. 609,070,150.73
H80570115001DN
4.30

SHIM, CAM STOP
For all 12 oz. can machines
H49707013083DN
2.70

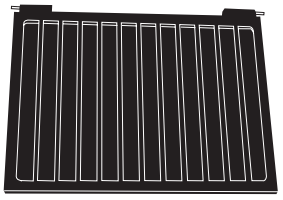


DELIVERY PORT TRIM
Used in all curve front cold drink machines
H80160286041DN
10.40

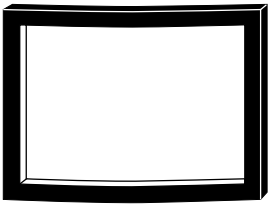


SHIM, 3/32 FLAT, SHORT
For 'E' model machines
H80180981001DN
4.65

CAN DOOR FLAPS WITH POSTS
H80180660041DN
6.65



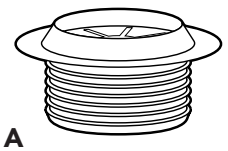
DELIVERY PORT TRIM
H80160251011DN 11.00
H80160286031DN 10.35

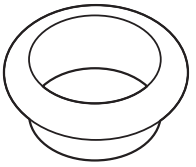


LEFT SHIM
For 'T' model machines
H80180490041DN
4.75

SHIM, 3/16 FLAT
For 'E' model machines
H80180972001DN
5.50

INNER DOOR BUSHINGS & RETAINER

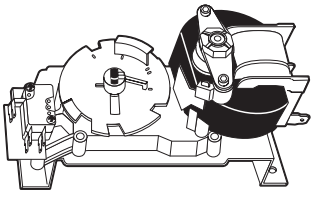




Part Number	Key	Description	Price per ea.
H80180642051DN	A	Inner Door Bushing	.79
H80180643031DN	B	Bushing Door Retainer	.79

VEND MOTORS

Part Number		Price Per ea.
H23607020013DN	Black	48.00
H43207070003DN	Blue	48.00
H49707080003DN	Green/Yellow	54.80
H17907060033DN	Red	51.00
H60907070063DN	Red/Gray	51.30
H36107040003DN	Gray	53.50
H49707090003DN	Brown	48.00
H60907090023DN	Brown	48.00

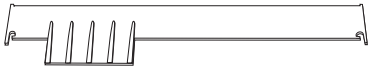


Dixie-Narco®

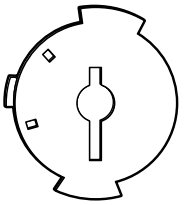
SHIM, CAN
For 'E' Narrow Column machines
H80570114001DN
6.10

RIGHT SHIM
For 'T' model machines
H80180489041DN
4.75

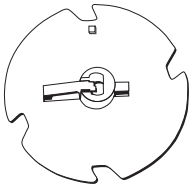
SINGLE SPACER COLUMN SHIM
H80180495011DN
1.15



CAM ADJUST: WIDE COLUMN, GOLD
For 'T' model machines
H80180640041DN
.77

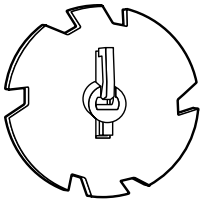


BLUE MOTOR CAM
H80180639061DN
.74



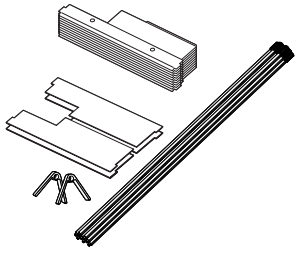
TUBE, 'E' MODEL, 18-3/8"
For 'E' model machines
H80190324001DN White
H80190323001DN Red
3.70

MAIN CAM: 'T' WIDE COLUMN, GREEN
For 'T' model machines
H80180641051DN
.77



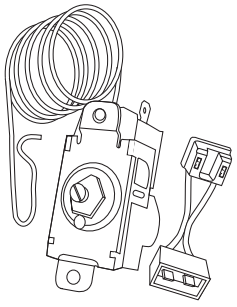
ROD AND SPRING ASSEMBLY
H36101010003DN 16" 4.40
H60907030013DN 19" 5.32

CONVERSION KIT, 12 OZ CAN
Used on 'E' model machines
H60907260004DN
80.45



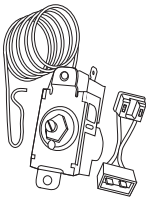
TEMPERATURE CONTROL KIT
New GE Style control
Replaces Ref. No. 802,800,480.21
Ref. No. 572,012,200.04
Includes:
(1) Control (Happ No. H80280059021DN)
(1) Adapter Harness
(Happ No. H80491619001DN)

H57201220004DN
19.50

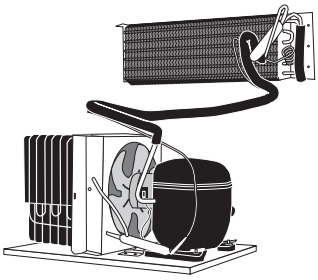


TEMPERATURE CONTROL KIT
Includes temperature control
(80280058011) and adapter harness
(80491619001)
Replaces Ref. No. 802800500
Ref. No. 60901220003

H60901220003DN
14.51



REFRIGERATION ASSEMBLIES



Part Number	Model Machines	Price
H56014140004DN	168/180/240/276/ 300/320/348/360/ 368/414/432/440	287.40
H60904350004DN	276E/489 non-Coke/501E/ 501T non-Coke 522T non-Coke/600E/ 630L/DMV 72N/DMV 72W	299.00
H56034460014DN	432T/489 Coke/501T Coke/522T Coke/588/ 600T/630T	425.40

Dixie-Narco®

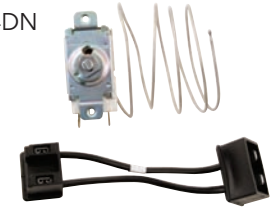
TINNERMAN CLIP
For all machines
H90090189001DN
2.07

TEMPERATURE CONTROL
H80280009031DN
15.40

TEMPERATURE CONTROL KIT
- New GE Style control
- Replaces Ref. No. 802,800,470.01
- Ref. No. 588,012,200.04
- Includes:

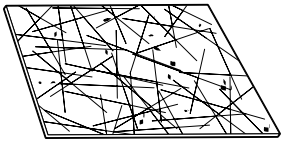
(1) Control (Happ No. H80280065021DN)
(1) Adapter Harness
(Happ No. H80491619001DN)

H58801220004DN
14.25

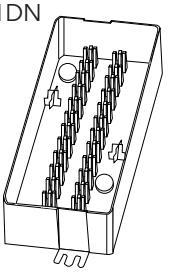


TEMPERATURE CONTROL
Ref. 802,800,380.01
Used in old 630 machines
H80280038001DN
27.60

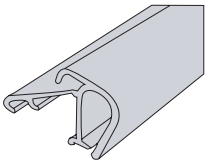
FIBERGLASS SOAKER
For all machines
New extra absorbent!
H90580069021DN
.62



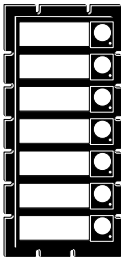
CONDENSATION PAN
H80180424081DN
3.59



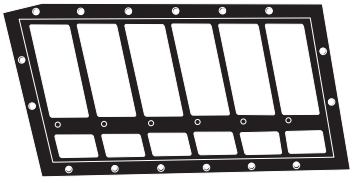
PLASTIC GATE 1 ARM
H80180851001DN
2.05



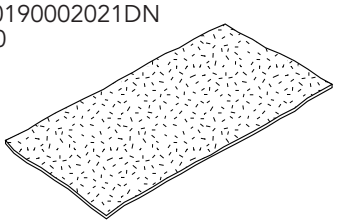
SELECT PANEL
For Coke 7 Select machines
H80180574001DN
15.15



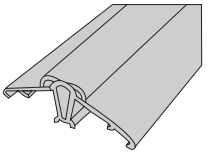
SELECT PANEL FOR 7-UP
H80180598001DN
16.45



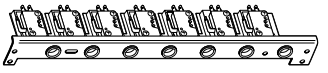
SOAKER – DRIP PAN
H90190002021DN
1.20



PLASTIC GATE 2 ARM
H80180850001DN
2.32

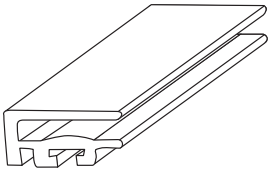


SELECTION SWITCH BAR ASSEMBLY
Used on Coke 448 machines
H49105070003DN
25.80

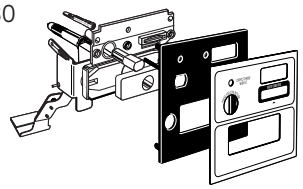


PLASTIC TRIM

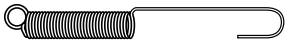
H80181028001DN	96-1/4"	14.15
H80180968011DN	76-7/16"	11.00
H80180967011DN	69"	9.95



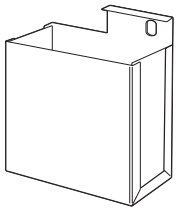
COIN INSERT ASSEMBLY
Used on SII, VRV Dr. Pepper / Pepsi / Generic machines
H59101010004DN
63.30



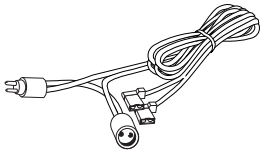
COIN RETURN PLUNGER SPRING
H90170063001DN
.87



CASH BOX
H45505110003DN
15.10

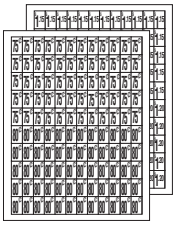


LOCKOUT SWITCH LEAD HARNESS ASSEMBLY
Used on 5,6,7,8 Select Non-Membrane SIID Vendors
Used with H80151010001DN, Lockout Switch Assembly
H80490546011DN
7.35

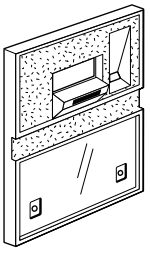


CHANGER RELAY
H80420017001DN
16.85

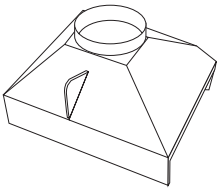
PRICE SHEET
Used in Glass Front Beverage machines
$.75 / $.80 / $1.15 / $1.20
H485-2DN
3.15



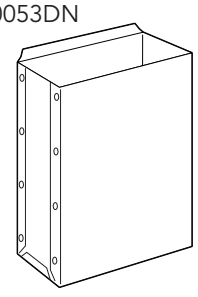
COIN INSERT CASTING
H80120092031DN
57.85



CHANGER HOPPER
H80180430001DN
1.55



MAGNUM CASH BOX
Use on all machines
H36005070053DN
9.60



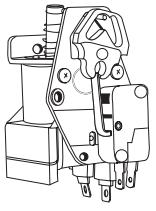
MAIN WIRING HARNESS, DOMESTIC
For any machine
H80490222101DN
31.40

PRICE LABEL SHEET
- $.50 to $1.25
- Used on S11 machines
- Ref. No. 903828820.11

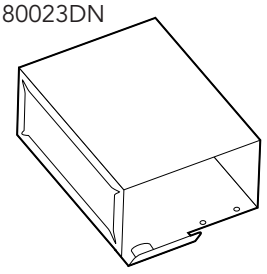
H90382882011DN
2.85

COIN INSERT LABEL
For SII, Coke and VRV machines with push button
H80383508041DN
8.45

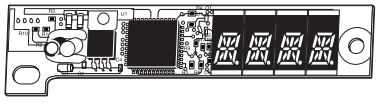
SEQUENCE RELAY
Used on Coke 348/368/414/440/432/501/522/600 Cold Drink machines
H80420019001DN
22.15



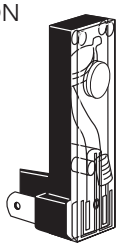
LOCKABLE CASH BOX
For all upgraded new 'E' model machines
H43205180023DN
6.40



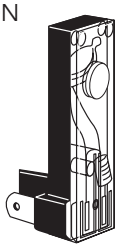
SEGMENT DISPLAY BOARD ASSEMBLY
For SIID and 'E' model machines
H80491096031DN
63.29



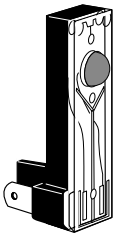
"SOLD OUT" LAMP
For Dr Pepper, Veryfine, 7-UP, RC, Non SII and VRV Non SII Generic
H80470051001DN
1.91



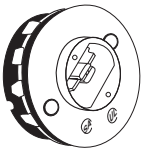
"SOLD OUT" LAMP
For Dr Pepper, Veryfine, 7-UP, RC, Non SII and VRV Non SII Generic Prior to 6156
H80470052001DN
2.40



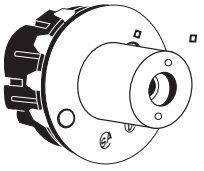
"SOLD OUT" LAMP
For Non VRV SII Machines
H80470057001DN
2.40



BOTTOM LAMP HOLDER
For high output lamps
Used on Coke, Pepsi, RC & Generic Cold Drink machines
H80490200001DN
3.35

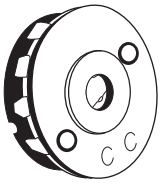


TOP LAMP HOLDER
For high output lamps
Used on Coke, Pepsi, RC & Generic Cold Drink machines
H80490202001DN
3.45

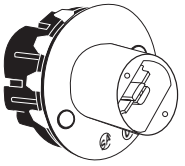


BOTTOM SINGLE PIN LAMP HOLDER
- Used on Pepsi, RC and Generic Machines
- Lampholder, Bottom, Slim Line, Single Pin

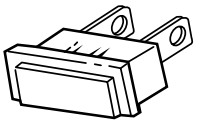
H80490203001DN
2.45



HIGH OUTPUT TOP LAMP HOLDER
Used on Historically on Coke and Dr. Pepper Machines
H80490199001DN
4.10

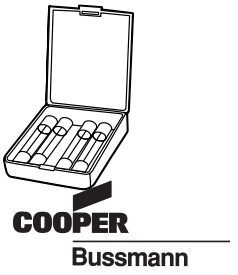


"USE CORRECT CHANGE" LAMP
Used on all vendors except E-Model's
H90470018031DN
2.10

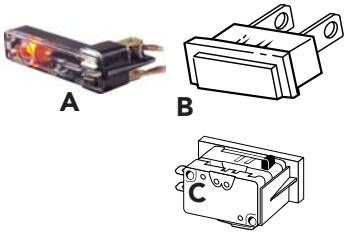


LENS DISPLAY BOARD
Used on SII and SIID machines
H80180734001DN
2.40

FUSE
5 x 20mm, 1.6A/250V, GMD (Slow Blow)
Ref 804,800,716.01
49-5062-00
1.45 L/10



FUSE
5 x 20mm, 6A/250V, AGC (Fast Blow)
Ref 804,910,930.01
49-0652-00
1.45 L/10



Key	Description/Part Number	Price
A	Sold Out Lamp 91-1160-00 Ref. No. 804, 700, 210.21	1.25
B	Use Correct Change Lamp H90470018031DN Ref. No. 804,700,210.21	2.10
C	Sold Out Switch Assembly H80410075071DN	4.45

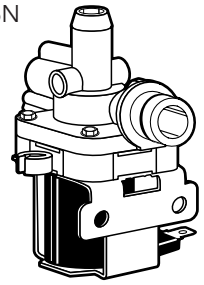
Part Number	Description	Price	Page
278003	Conlux Cassette, 5 Tube Coin Mech	50.00	_
30-0183-00	T-Handle Flange	4.20	443
30-0194-00	T-Handle, Used on E model machines	14.95	443
30-0195-00	T-Handle for NVRV machines	7.35	443
384422	Lever Gate Collar Conlux Coin Mech	.95	_
461150800	Coin Insert And Stud Assembly	12.99	_
480011200	Hasp Set External For 501	25.50	_
49-0652-00	Fuse	1.45	450
49-0652-00	Fuse	1.45	450
491070300	Black/Gold Cam Motor With Double Switch	32.75	_
545032	Pushbutton (Quantity Of 1,000)	198.60	_
565070100	Brown Cam Motor	35.43	_
609012200	Thermostat	9.89	_
622020180	Shim Kit Red Bull	34.22	_
622053100	Spacer Rail Metal Assembly	17.25	_
800101860	Glass Front Door Assembly	482.62	_
800503000	Rod & Spring Kit	3.85	_
800503000	Rod & Spring Kit	3.85	_
801200990	Oscillator,3 Deep	.20	_
80120103011	Linkage Assembly	.85	_
801201060	Rotor Vend 1 1/4	7.91	_
801201100	Rotor 3 Deep	13.38	_
801201150	Rotor-501, Cans Only	9.07	_
801201200	Rotor, Shimless Stack	9.25	_
80120122001	Rotor Wide 16Oz Bottles	41.34	_
801201230	Rotor 501-Series 90-Cans Only	31.11	_
801502870	T-Handle	8.16	_
801503040	T-Handle Only	10.93	_
80160286041	Port Trim	8.47	_
801804200	Vend Door	3.05	_
801804960	Flat Shim Wide	1.63	_
80180618111	Vend Cam Brown	.99	_
80180661111	Adjustable Cam Brown	.89	_
801808380	Gate Double Arm Gate Ext-32In	3.64	_
801812020	Spacer,Release Mechanism	.79	_
801812040	Shim Flat 3/32 Use In Pairs	1.89	_
80181269011	Spacer	.92	_
801812810	Spacer 90/70	.94	_
801813150	Inner Gate Flipper	2.85	_
801813620	Spacer Nesquick 16Oz Bottle	1.48	_
801813630	Spacer Bevmax 12 Oz Can	1.10	_
801817380	Shim 10Oz Old Home Smoothy	2.62	_
8018173811	Spacer For Slammer Ultimate	2.34	_
80181739011	Spacer	3.11	_
801903240	Tube White	3.55	_
801903250	Tube Yellow Rod Cover	2.86	_
801903630	Bottle Stabilizer-Short	2.75	_
801903640	Bottle Stabilizer	2.75	_
80240046001	Accumulator Refrigeration Unit	4.10	_
802500370	Comp-Embraco W/O Cap-Mod 300	155.45	_
802800580	Thermostat Ge Style New 501E	8.19	_
80280058021	Temp Control	6.60	_
802800660	Thermostat Control	8.03	_
80385738001	Decal Bev Max	17.87	_
80387741031	Decal Glass Door -Blue	78.34	_
804100510	Switch Select	2.04	_
804100600	Vend Switch, Double Cluster	2.94	_
804100610	Sold-Out Switch Series 90	1.94	_
804100710	Switch No Actuator	1.94	_
804902221	Harness Main Wiring	24.33	_
804909780	Harness Coin Mech	9.99	–
804909780	Harness Coin Mech Mltdrp Ssiid	9.99	_
80491294021	Harness Mdb e	10.23	_
804913150	Vend Sensor,M & M Machine	86.93	_
804914890	PCB Assembly 8 Digit 14 Segment	75.03	_
804916190	Harness Ge Temperature Control Adapter	2.44	_
804916290	Control Board Temp Sensor	9.77	_
80491995001	Display Board	69.88	_
900103370	Condenser Fan Blade	3.57	_
90020187001	Screw For Glass Front Shelf	.19	_
90080050001	Nut	.22	_
903855460	Arrow Card, Pushbutton	.75	_
91-1160-00	Sold Out Lamp	1.25	450
95-0407-00	Select Switch	3.25	445
95-0733-01	Select Switch	.97	445
99150950	Sign Cold Drink Waterfall 68 1 /2 X 30 3/4	80.00	_
D618	Decal Bev Max	16.50	_
D621	Decal Bev Max	16.50	_
D622	Decal Bev Max	9.76	_
DN60	Price Label $.60 1 1/4In X1 5 /8In	.20	_
DN65	Price Label $.65 1 1/4In X1 5/ 8In	.20	_
DN75	Price Label .75 1 1/4In X1 5/ 8In	.20	_
H168-1DN	Can Spacer Kit, 3/16 Tall	15.75	443
H168-2DN	Can Spacer Kit, 3/8 Tall	16.30	443
H168-3DN	Can Spacer Kit, 9/16 Tall	16.95	443
H17907060033DN	Vend Motors	51.00	446
H212-1DN	4" Can Spacer, Tall Gate, .155 x 3/16" Size	1.80	443
H212-2DN	4" Can Spacer, Tall Gate, .340 x 3/8" Size	2.00	443
H23607020013DN	Vend Motors	48.00	446
H26705057013DN	Chute, Cold, Back Access Door	2.80	–
H26705092013DN	Chute, Coin Access Door	4.15	–
H36001030014DN	Inner Door Lock Kit	13.00	444
H36001030014DN-2	Inner Door Lock Kit Key # 1414	12.95	_
H36005037043DN	Discharge Member Cc/Dp/Su/Wd	4.65	–
H36005070053DN	Magnum Cash Box	9.60	449
H36101010003DN	Rod and Spring Assembly, 16	4.40	447
H36107040003DN	Vend Motors	53.50	446
H36905001023DN	6 Select Back Panel	2.05	–
H43201210034DN	Kit Counter Service	18.05	445
H43205180023DN	Lockable Cash Box	6.40	449
H43205250014DN	Complete Cage Nut Assembly	15.20	444
H43207070003DN	Vend Motors	48.00	446
H45505110003DN	Cash Box	15.10	449
H46115080023DN	Pepsi Coin Insert Assy,Stud C/I Gen Sii	15.10	_
H48001040024DN	Lock Cover For Pepsi Magnum Circular	27.75	_
H48001120014DN	Lock Cover Kit	31.20	444
H48015050003DN	Coin Casting Assembly	27.30	–
H48015060004DN	Cold Insert Assembly With T-Handle For Dncb348Mc	55.15	–
H485-2DN	Price Sheet	3.15	449
H485DN	Price & Product Label Set For Glass Front	33.50	–
H49101020014DN	Kit Caster Assembly	171.05	443
H49101450003DN	Kit Adaptor Service Refrigeration	21.85	–
H49105070003DN	Selection Switch Bar Assembly	25.80	448
H49154070034DN	Vender defender kit	39.00	444
H49701030004DN	12 Oz Can Conversion Kit For 501, 600	88.60	–
H49707013083DN	Shim, Cam Stop	2.70	446
H49707080003DN	Vend Motors	54.80	446
H49707090003DN	Vend Motors	48.00	446
H56014140004DN	Refrigeration Assemblies	287.40	447
H56034460014DN	Refrigeration Assemblies	425.40	447
H57201010034DN	Lock Cover Kit	28.90	444
H57201220004DN	Temperature Control Kit	19.50	447
H58801220004DN	Temperature Control Kit	14.25	448
H59101010004DN	Coin Insert Assembly	63.30	449
H60901220003DN	Temperature Control Kit	14.51	447
H60904350004DN	Refrigeration Assemblies	299.00	447
H60907030013DN	Rod and Spring Assembly, 19	5.32	447
H60907070063DN	Vend Motors	51.30	446
H60907090023DN	Vend Motors	48.00	446
H60907260004DN	Conversion Kit, 12 oz Can	80.45	447
H62200040014DN	Bottle Pusher Kit	31.55	443
H62702210004DN	Delivery Sensor With Harness	51.33	_
H654-1DN	Temperature Control	25.90	–
H777DN	Proximity Sensor	24.65	443
H80050330001DN	Rod & Spring Assembly	4.60	_
H80120092031DN	Coin Insert Casting	57.85	449
H80120101041DN	Oscillator 1 1/4	10.30	_
H80120102041DN	Oscillator	16.15	445
H80120106001DN	Vend Rotor	10.20	–
H80120118071DN	Coin Insert Casting	15.35	–
H80120122001DN	20 Ounce Rotor-	40.20	_
H801201220DN	Rotor 3 Deep 90 Series	15.30	_
H80130332061DN	Cage Nut Housing Only	3.50	–
H80150161001DN	Burst Open Latch	6.95	443
H80150287001DN	T-Handle	13.95	443

Part Number	Description	Price	Page
H80150815021DN	T-Handle, Flush Mount	17.50	–
H80151010001DN	Lockout Switch Assembly	28.80	444
H80160251011DN	Delivery Port Trim	11.00	446
H80160285001DN	Display Trim, 9 Ft, Silver Metal	33.65	–
H80160286031DN	Delivery Port Trim	10.35	446
H80160286041DN	Delivery Port Trim	10.40	446
H80180389001DN	Clear Pushbutton	6.30	–
H80180424081DN	Condensation PaN	3.59	448
H80180430001DN	Changer Hopper	1.55	449
H80180439021DN	Shin, Single	1.50	–
H80180447001DN	Adjustable Black Cam	2.55	–
H80180451001DN	Clear Push Button	2.60	445
H80180454041DN	Select Button	.65	–
H80180455001DN	Price Window	1.70	–
H80180455031DN	Price Window	1.70	–
H80180462011DN	Switch Cover (Mylar Insulator)	.23	–
H80180462031DN	Insulator	.33	–
H80180482001DN	Selection Button, 2 3/4 X 7	5.60	_
H80180482001DN	Clear Push Button	5.60	445
H80180489041DN	Right Shim	4.75	447
H80180490041DN	Left Shim	4.75	446
H80180495011DN	Single Spacer Column Shim	1.15	447
H80180496021DN	Shim, Flat	1.80	445
H80180511001DN	Clear Push Button	1.85	444
H80180524011DN	Coin Chute	1.45	–
H80180525001DN	Coin Chute Cover	2.60	–
H80180537031DN	Flat Coin Chute	1.20	–
H80180538011DN	Flat Coin Chute Cover	1.20	–
H80180548001DN	Clear Push Button	11.00	–
H80180550031DN	Spacer Port	3.70	445
H80180571061DN	Push Button	.49	445
H80180574001DN	Select Panel	15.15	448
H80180575001DN	Cc-9 Select Panel	17.80	–
H80180579131DN	Coin Chute	5.65	–
H80180580061DN	Coin Chute Cover	3.00	–
H80180598001DN	Select Panel for 7-up	16.45	448
H80180605051DN	Drain Tube	.60	–
H80180639061DN	Blue Motor Cam	.74	447
H80180640041DN	Cam Adjust: Wide Column, Gold	.77	447
H80180641051DN	Main Cam: 'T' Wide Column, Green	.77	447
H80180642051DN	Inner Door Bushing	.79	446
H80180643031DN	Bushing Door Retainer	.79	446
H80180655011DN	Discharge Frame, Inner Door	5.00	–
H80180656021DN	Retainer Frame, Inner Door	4.90	–
H80180658071DN	Hopper & Chute,Coin	3.65	_
H80180660041DN	Can Door Flaps with Posts	6.65	446
H80180693041DN	Point of Sale Window	4.75	444
H801807250DN	Change Return Button	1.23	_
H80180734001DN	Bottom Single Pin Lamp Holder	2.40	450
H80180771021DN	Red Coin Insert For Coin Return Button	2.85	–
H80180817001DN	Very Fine Clear Button	3.45	445
H80180846001DN	Vender Defender Bottom Extend	18.85	–
H80180847001DN	Vender Defender Cover	9.85	–
H80180850001DN	Plastic Gate 2 Arm	2.32	448
H80180851001DN	Plastic Gate 1 Arm	2.05	448
H80180893001DN	Lens 1 X 2 Pushbutton	3.70	_
H80180916041DN	Discharge Frame Assembly,		_
H80180924001DN	Clear Button	1.95	445
H80180966021DN	58 Circular Trim Sign (Replaces 80180966011)	7.95	–
H80180967011DN	Plastic Trim 69	9.95	448
H80180968011DN	Plastic Trim 76-7/16"	11.00	448
H80180972001DN	Shim, 3/16 Flat	5.50	446
H80180979031DN	Red Adjustment Cam	.44	–
H80180981001DN	Shim, 3/32 Flat, Short	4.65	446
H80181028001DN	Plastic Trim 96-1/4"	14.15	448
H80181088001DN	Discharge Door	14.20	–
H80181201001DN	Slide 5 Tray, Tall Gate	8.40	443
H801812600DN	Shim With Pad	2.03	_
H80181269001DN	210/70 Spacer (Pepsi Bottles) - White	1.20	_
H80190302011DN	Pushbutton Assembly	7.90	444
H80190323001DN	Tube, 'E' Model, 18-3/8 "	3.70	447
H80190324001DN	Tube, White 80190324011	3.70	_
H801903250301DN	Yellow Sleeve, Dole Juice	3.35	–
H80260037061DN	Evaporator Coil	65.30	–
H80280009031DN	Temperature Control	15.40	448

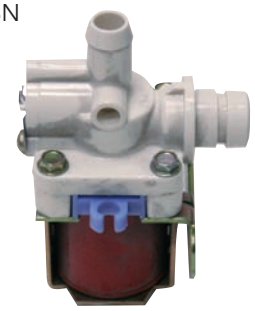
Part Number	Description	Price	Page
H802800090DN	Temp Control &Knob	14.21	_
H80280038001DN	Temperature Control	27.60	448
H80280058011DN	Temperature Control	13.35	–
H80280059021DN	Temperature Control	15.49	–
H80280060011DN	Temperature Control	11.65	–
H80280065021DN	Temperature Control	12.50	–
H80381314011DN	Instruction Decal	.63	–
H80383507031DN	Coin Insert Label For Coke Machine	6.35	–
H80383508041DN	Coin Insert Label	8.45	449
H80383766001DN	Generic Coin Insert Label (Replaces 80183766001)	4.90	–
H80383767001DN	Coin Insert Label	4.45	–
H80384364001DN	Do Not Tilt Label	2.35	_
H80410055011DN	Switch For Vend Motor	4.45	–
H80410063001DN	Sold Out Switch Assembly	2.40	–
H804100640DN	Interlock Switch Mpc	.30	_
H80410068051DN	Sold Out Switch Assembly	2.85	–
H80410069001DN	Double Cluster Switch	4.50	444
H80410070021DN	Triple Cluster Switch	10.20	445
H80410071021DN	Switch Select, Use 95-0733-01	2.05	–
H80410073001DN	Single Switch	3.40	445
H80410075071DN	Sold Out Switch Assembly	4.45	450
H80410077021DN	Door Switch	5.90	444
H804100770DN	Switch Bypass Interlock	5.23	_
H80420017001DN	Changer Relay	16.85	449
H80420019001DN	Sequence Relay	22.15	449
H80440037061DN	Ballast	47.25	445
H80450112001DN	Motor, Evap Fan	40.20	_
H80470051001DN	Sold Out Lamp	1.91	450
H80470052001DN	Sold Out" Lamp	2.40	450
H80470052001DN	"Sold Out" Lamp	2.40	450
H80470057001DN	Sold Out Light Sii	2.45	_
H80480071001DN	Fuse, 1.6 A, Slow Blow	.79	–
H80490199001DN	High Output Top Lamp Holder	4.10	450
H80490200001DN	Bottom Lamp Holder	3.35	450
H80490202001DN	Top Lamp Holder	3.45	450
H80490203001DN	Bottom Single Pin Lamp Holder	2.45	450
H80490222101DN	Main Wiring Harness, Domestic	31.40	449
H80490546011DN	Lockout Switch Lead Harness Assembly	7.35	449
H80490668091DN	Control Box	445.00	446
H80490669041DN	S Ii Display Board Assembly	98.25	–
H80490948021DN	Lighting Harness	11.15	–
H80491096031DN	Segment Display Board Assembly	63.29	449
H80491098011DN	Control Board	294.20	446
H80491285001DN	Selection Switch Membrane (Changed To Kit)	28.35	_
H80491285071DN	e Select Switch Membrane	11.76	_
H80491376021DN	Assembly Product Sensor With Harness	49.99	_
H80491619001DN	Temperature Harness	4.60	–
H80491629011DN	Temperature Sensor	12.10	–
H80491724031DN	Harness	30.20	–
H80570114001DN	Shim, Can	6.10	447
H80570115001DN	Shim, Bottle	4.30	446
H890001DN	Button Select Royal	1.26	_
H90030179001DN	Nut For Drain Tube	1.80	_
H90040035041DN	T-Bolt	.28	443
H90040041011DN	T-Bolt	.45	443
H90050026111DN	Shoulder Screw	.57	–
H90050249091DN	Leg Leveler	1.80	443
H90080057011DN	Nut For T-Handle Lock	1.85	_
H90090189001DN	Tinnerman Clip	2.07	448
H90090213001DN	Christmas Tree Clip	.32	443
H90170063001DN	Coin Return Plunger Spring	.87	449
H90180620011DN	Roller, Main Door	.47	–
H90190002021DN	Soaker – Drip Pan	1.20	448
H90190190001DN	White Tube 90190190001	.62	_
H90382882011DN	Price Label Sheet	2.85	449
H90470018031DN	Use Correct Change Lamp	2.10	450
H90580069021DN	Fiberglass Soaker	.62	448
H990DN	Air Filter	5.25	–
W1682	Spacer Kit Short Gat Set Of 9	11.92	_
W2121	Spacer,Tall Gate,Thin	1.44	_
W2122	Spacer Tall Gate Thick	1.65	_
W31569	Dex Control Brd,W/Multibus Con	386.61	_
W662	Outlet Plug, 15A.	4.02	_
W777	Sensor Proximity (Rplcs 80180916021)	15.72	_

HOT DRINK

WATER VALVE
For Hot Tron 1, 615, 619, 620
Old ref. # 6138268
H4750066N
51.65



WATER VALVE ASSEMBLY
For 623,625, 627, 630, 633, 638, Cafe 7
Old ref. # 6238092
H6230108N
34.95



TANK HEATER - HOT TRON
H6208059N
80.90

WATER VALVE REBUILD KIT
H9905010N
23.65

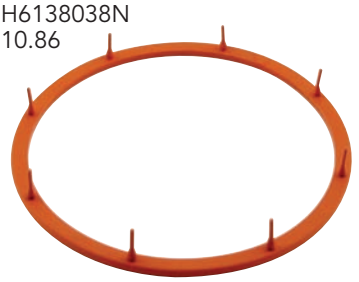
WATER VALVE REBUILD KIT
For H6230108N Water Valve
H6330030N
17.85

HEATER GASKET - HOT TRON
H6138078N
8.65

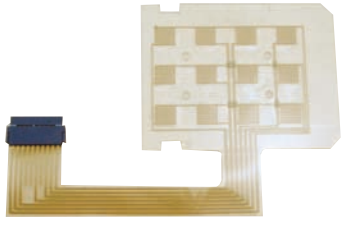
THRUST SPRING
H6107198N
7.60

WHIPPER IMPELER
H6107197N
2.20

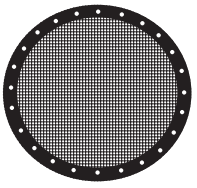
TOP SEAL
H6138038N
10.86



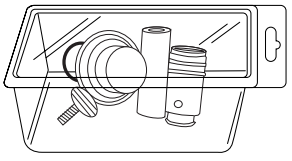
TOUCH PAD MEMBRANE - HOT TRON/COLD TRON
H3152042N
23.60



BREW FILTER
H6114015N
12.35



BREW VALVE REBUILD KIT
H6138235N
28.30

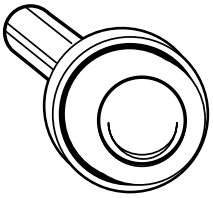


MOMENTARY SWITCH
27-1048-00
4.30

BREW SEAL
H6234375N
5.00

HOT DRINK

PLUNGER AND DIAPHRAGM
H6208025N
12.70



FILTER HEAD 0-RING
27-1066-00
.52

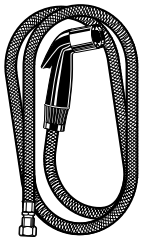
INSERT FOR BEAN HOPPER WINDOW
H6237087N
2.75

FILTER PAPER
H1000N
20.55

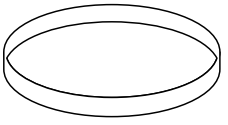
FILTER PAPER
For Cafe 7
H6404043N
14.70

F5 COMPACT FLOURESCENT
91-3037-00
4.45 ea.
4.20 L/10

RINSE HOSE ASSEMBLY
H14494RM - Gravity feed - 7.35



DRIVE BELT
H5271687N
6.80



IMPELLER HOUSING
H6107195N
2.95

HOT FILTER
27-1010-00
34.20

MIXING WHEEL
H6237002N
9.85

REPLACEMENT LIFT HANDLE SET

- For National Vendors coffee & cold food machines
- Brushed stainless finish
- Set includes:
- Lift Handle Lever, Ref. No. 117-2190

(1) Lift Handle Base, Ref. No. 117-2191

PRE-GROUND COFFEE CHUTE ASSEMBLY
H6237241N
18.60

FILTER FOR EXHAUST BLOWER
For 633 machine
H6237340N
2.40

Part Number		Price per ea.
30-0307-00	Replacement Lift Handle Set	15.75
H1302290N	Latch for Lift Handle	.83
H1302291N	Pin for Lift Handle	.40

HOT DRINK

SPRING FOR BEAN HOPPER WINDOW
H6237098N
3.90

GRINDER CHUTE
H6237252N
1.80

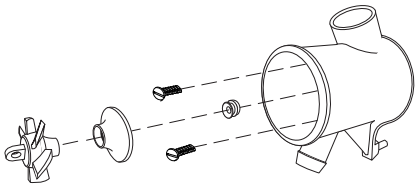
CANISTER
H6237439N
23.50

COIL & FRAME ASSEMBLY
Used on 623 / 625 / 627 Hot Drink machines
H6238079N
37.55

HEATER
- Curved Tip
- Used on 623, 625, 627, 633, 635, 637 machines
- 1250W; 120V; 10.5" long

H6338041N
28.08

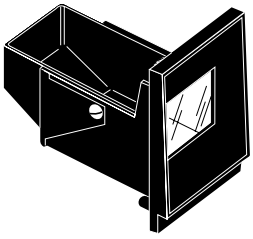
WHIPPER REBUILDING KIT
H6237191N
7.10



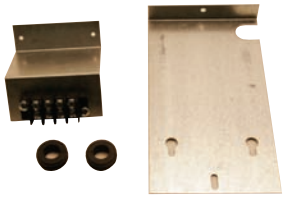
HOT WATER VALVE BODY
H6238123N
6.55

HOT WATER TANK GASKET
Vulcanized
H653800N
3.40

COIN RETURN CUP ASSEMBLY
H1452030N
15.25

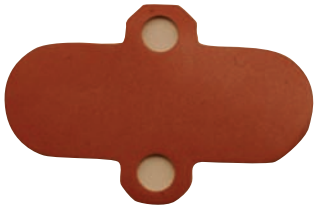


BRACKET MOUNTING SWITCH
6238068
1.93



630 / 638 HOT DRINK PARTS

KIT MANIFOLD
6134155
.94



WHIPPER MOTOR
H6237111N
20.00

MOTOR & PLATE ASSEMBLY
6237437
94.78

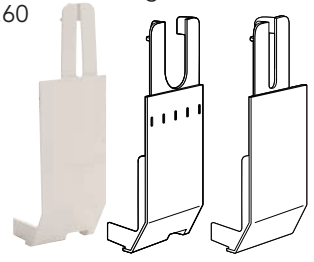
MIXING BOWL
6537030
1.98

COLD FOOD

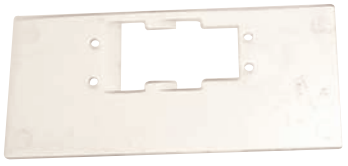
MONETARY DOOR SLIDE
Ref. #417-1242
27-1026-00
27.85

VEND DOOR SOLENOID
4252029
9.89

TRAY COVER
H4247029N Left
H4247030N Center
H4247031N Right
2.60

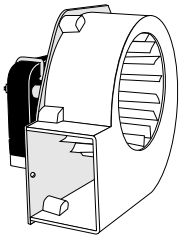


PRICE HOLDER
4273023
1.15

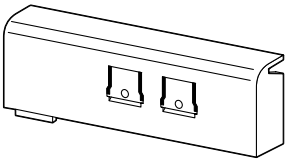


SHELF DIVIDER
4327042
1.36

BLOWER MOTOR ASSEMBLY
Old Ref. No. 4302556
H4302556N
42.25



FRONT CENTER COVER
H4247012N
2.30

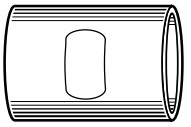


COLD CONTROL
H4171137N
33.33

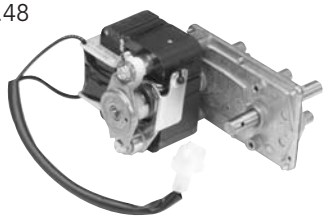
DELIVERY DOOR
For National Shoppertron cold food machine
Ref. 430-2372
H4302372N
10.40

TRAY DIVIDER
4277029
5.71

DELIVERY DOOR SPRING
H4302145N
2.40



DRIVE MOTOR ASSEMBLY
4271088
172.48

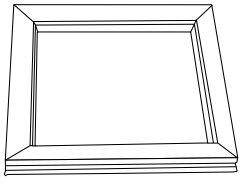


CUP SODA

SYRUP PUMP DIAPHRAGM
H9905018N
4.30

AGITATOR MOTOR
H3118012R
93.35

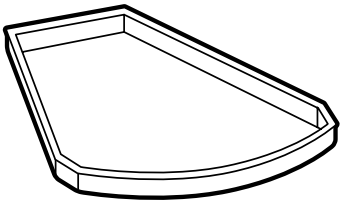
VEND DOOR GASKET
H9281725N
9.30



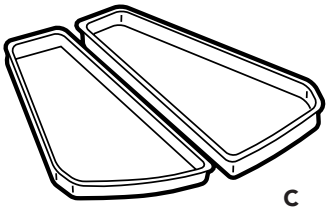
SHOPPERTRON

NATIONAL SHOPPERTRON SHELF LINERS

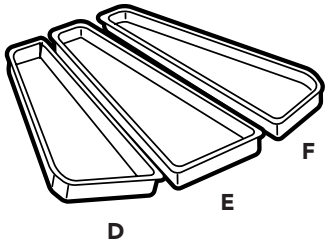
Part Number		Key	Color	Price per ea.	L/1000
HPRN	Platter	A	Red	1.65	1.35
HPBN	Platter	A	Blue	1.65	1.35
HPBKN	Platter	A	Black	1.65	1.30


A

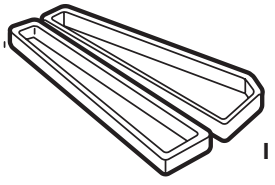
Part Number		Key	Color	Price per ea.	L/900
H1/2LRNS	Left 1/2	B	Red	.56	.44
H1/2LWNS	Left 1/2	B	White	.56	.44
H1/2LBNS	Left 1/2	B	Blue	.56	.44
H1/2LBKNS	Left 1/2	B	Black	.56	.44
H1/2RRNS	Right 1/2	C	Red	.56	.44
H1/2RWNS	Right 1/2	C	White	.56	.44
H1/2RBNS	Right 1/2	C	Blue	.56	.44
H1/2RBKNS	Right 1/2	C	Black	.56	.44


C
B

Part Number		Key	Color	Price per ea.	L/1100
H1/3LRNS	Left 1/3	D	Red	.34	.28
H1/3LWNS	Left 1/3	D	White	.34	.28
H1/3LBNS	Left 1/3	D	Blue	.34	.28
H1/3LBKNS	Left 1/3	D	Black		
H1/3RRNS	Right 1/3	F	Red	.34	.28
H1/3RWNS	Right 1/3	F	White	.34	.28
H1/3RBNS	Right 1/3	F	Blue	.34	.28
H1/3RBKNS	Right 1/3	F	Black	.34	.28
H1/3CRNS	Center 1/3	E	Red	.34	.28
H1/3CWNS	Center 1/3	E	White	.34	.28
H1/3CBNS	Center 1/3	E	Blue	.34	.28
H1/3CBKNS	Center 1/3	E	Black	.36	.30


F
E
D

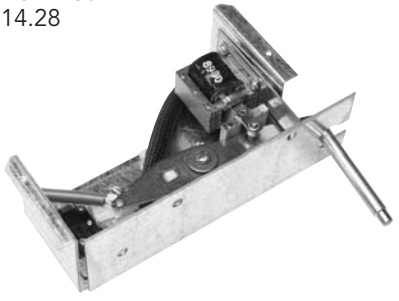
Part Number		Key	Color	Price per ea.	L/1600
H1/4RRNS	Right 1/4	I	Red	.24	.21


I
H

Part Number		Key	Color	Price per ea.	L/1300
H1/4CRNS	Center 1/4	H	Red	.20	.14

PRODUCT SHELF
H4307034N
7.88

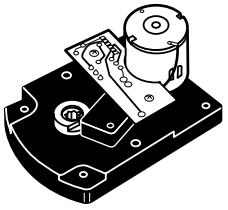
STOP PIN ASSEMBLY
H4311108N
114.28



TRAY DIVIDER
4307035
2.76

GLASSFRONTS

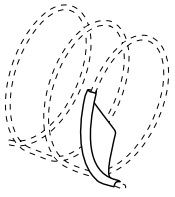
147/148 PRODUCT MOTOR
H1477112N
10.70



CAM FOLLOWER
H1417030N
6.80

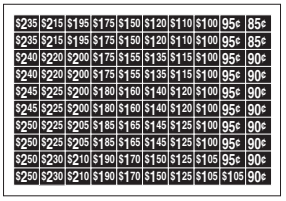
ITEM TABS (ITEM A1 - ITEM G5)
H1450005N
4.10

PRODUCT PUSHER
H1477074N
.65



SPIRAL RETAINER ONLY
H1477107N
.28

PRICE LABELS .25 - $2.50
H1450028N
3.70



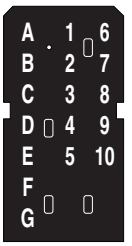
DRIVE GEAR
H4301396N
2.00

SHELF ROLLER STUD
H1407019N
1.25

SHELF ROLLER NUT
H1407048N
.42

MOTOR & PC BOARD ASSEMBLY
H1577038N
17.00

145/146 MEMBRANE SELECTION SHEET
H9989428N
8.95



ITEM TABS (ITEM 1 - ITEM 30)
H1400006N
2.05

DUAL SPIRAL
Without Retainer

Part Number		Price per ea.
H1477104N	6 Count, Right	9.45
H1477024N	11 Count, Left	15.40
H1477027N	11 Count, Right	15.40

LABEL HOLDER - SNACK
H1417001N
2.35

GLASSFRONTS

PRODUCT LABEL SHEET

A0-A9
For 474 Refreshment Center/
147 Snack Center (0ld Ref # 147-7076)
H1577009N 2.85

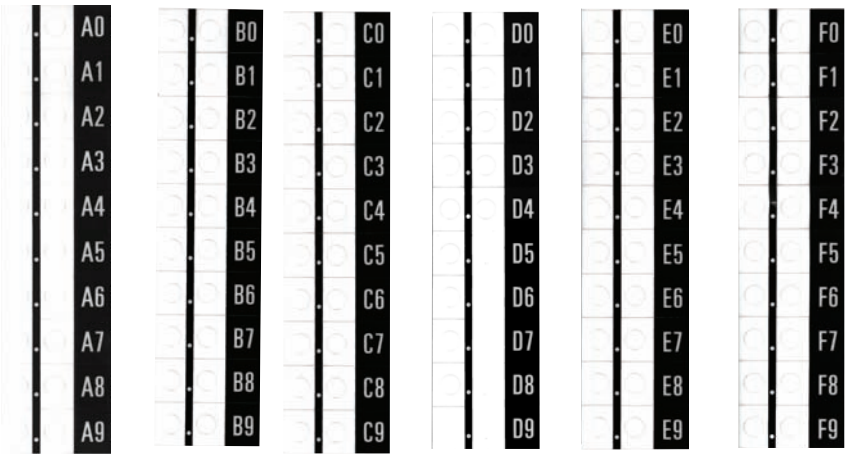
B0-B9
For 474 Refreshment Center/
147 Snack Center (Old Ref # 147-7077)
H1577010N 2.85

C0-C9
For 474 Refreshment Center/
147 Snack Center (Old Ref # 147-7078)
H1577011N 2.85

D0-D9
For 474 Refreshment Center /
147 Snack Center
H1577012N 2.85

E0 – E9
For 474 Refreshment Center /
147 Snack Center
H1577013N 2.95

F0 – F9
For 474 Refreshment Center /
147 Snack Center
H1577014N 2.95



LATCH FOR LIFT HANDLE

- Ref No. 1302290

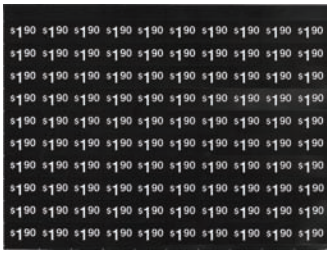
Part Number		Price per ea.
H1302290N	Latch For Lift Handle	.83

PIN FOR LIFT HANDLE

- Ref No. 1302291

Part Number		Price per ea.
H1302291N	Pin For Lift Handle	.40

PRICE INSERTS



Part Number	Label	Price per ea.
H14500281N	.50/.55	3.70
H14500282N	.60/.65	3.70
H14500283N	.70/.75	3.70
H14500284N	.80/.85	3.70
H14500285N	.90/.95	3.70
H14500287N	1.10/1.15	3.70
H14500288N	1.20/1.25	3.70
H14500289N	1.30/1.35	3.70
H145002810N	1.40/1.45	3.70
H145002813N	1.70/1.75	3.70
H145002814N	1.80/1.85	3.70
H145002815N	1.90/1.95	3.70

CLIP DOOR TRIM
4302414
.96

GATE COIN RETURN
4245082
5.10

Part Number	Description	Price	Page
108B	Kit Valve And Bracket	25.99	_
1211115	Rivet Pop .156 Dia X .254	.36	_
1211141	Switch Interlock	4.35	_
1217162	Retainer Push On .125	.29	_
1272131	Coin Recepticle Gpl/ National	2.14	_
140A	Price Label Sheet $.30 / $.35	2.92	–
140B	Price Label Set $.40 / $.45	2.92	–
140C	Price Label Set $.50 / $.55	2.92	–
140D	Price Label Set $.60 / $.65	2.88	–
140E	Price Label Set $.70 / $.75	2.92	–
140F	Price Label Set $.80 / $.85	2.92	–
140G	Price Label Set $.90 / $.95	2.92	–
1451379	Interface Pcb	49.99	_
1452059	Glass	41.98	_
1471066	Receptacle Block And Pc	12.24	_
1472036	Trim Coin Receptacle	9.95	_
1472105	Labels, Price Gum & Mint	5.61	–
1472137	Delivery Door	15.30	_
1472157	Actuator Assembly Left	5.02	_
1472219	Spacer Delivery Door	.25	_
1472228	Shaft Door Pivot	2.47	_
1477014	Roll-Price Cents	.99	–
1477015	Roll-Price Dollars	1.09	–
1477015	Roll Price Dollars	1.09	_
1477020	Gear	.87	–
1477022	Bearing Coupler	.46	_
1477023	Spiral 11Ct Lh	9.15	_
1477026	Spiral 11Ct Rh	9.15	_
1477035	Spiral 15 Count Left Hand	9.15	_
1477038	Spiral 15 Count Right Hand	9.15	_
1477041	Spiral 20Ct Lh	9.99	_
1477044	Spiral, 20ct Right	9.99	–
1477073	Natonal Retainer, Spiral, Black	.08	_
1477099	Spiral 17 Count Right Hand	9.15	_
1477101	Left Hand 17 Count w/Retainer	9.15	_
1477152	Spiral 9 Count Left Hand Grey	9.15	_
1479064	Spacer, Gum & Mint	3.27	–
1479099	Pin-Pusher	.42	–
1571156	Kit, Bolting, Plate	42.41	–
1575003	Chute Coin Inlet	7.91	_
1575035	Plexi Plate	10.14	–
1576002	Pcb Assembly Tray Contacts	4.67	_
1579034	Harness, MDB BA30/32SA	6.40	–
1596014	Pcb Board Assembly Shelf	6.10	_
1671041	Coin Block, 50 Cent	.45	_
1677247	Spiral 8 Ct Snack Lh 480	9.15	_
1679010	Harness, 5 Motor	7.41	–
1679011	Harness 10 Motor	7.11	_
1679056	Dex Cable	12.83	_
16800013	Harness Touch Memory	40.22	_
1689004	Harness, 4 Motor	11.99	–
1689005	Harness, 8 Motor	20.00	–
1707004	Spiral 10 Count Left Hand	9.15	_
1707006	Spiral 10 Count Right Hand	9.15	_
1707008	Spiral, 12ct left	8.67	–
1707010	Spiral, 12ct RH	8.67	–
1707036	Retainer, Product Kit	8.67	–
1707062	Wall Tray	3.19	_
1709011	Harness, 4 Motor	14.14	–
1709012	Harness, 5 Motor	13.35	–
1709013	Harness, 8 Motor	16.55	–
1709014	Harness, 10 Motor	20.10	–
2228011	Spacer Release Arm	1.08	_
2306488	Switch V3-1101-D8	3.39	_
2342109	Bushing Delivery Linkage	1.09	_
27-1010-00	Hot Filter	34.20	454
27-1011-00	Everpure Cold Water Filter	27.40	–
27-1026-00	Monetary Door Slide	27.85	456
27-1048-00	Momentary Switch	4.30	453

Part Number	Description	Price	Page
27-1059-00	Remote Lockout Sender,	58.25	–
27-1066-00	Filter Head O-Ring	.52	454
27-1189-00	Coffee Overlay	24.60	–
30-0118-00	Remote For National 222 Remote	45.05	–
30-0307-00	Replacement Lift Handle Set	15.75	454
3118051	Kit Water Level Sw Actuator	10.08	_
3128049	Tube Assembly Capillary	24.73	_
3128054	Tube Assembly Non Carb Valve	7.20	_
3128086	Nozzle 10 Ounce Cup	3.16	_
3128127	O Ring Water Nozzle 013-7077	.43	_
3148020	Tube Assembly Capillary 14-16Oz	20.59	_
3152045	Frame, Cup Del. Door	11.34	–
3152045	Bezel Delivery Door Frame	11.34	_
3167109	Switch Vacuum Sld Out 2095-532	36.20	_
3167122	Valve Transfer Flojet #1500-031	25.20	_
3167128	Fitting Parker #P4Mcb2	.82	_
3618123	Aquavend Tubing .375Id	.11	_
4042555	Stud Receiver Thin Wall .187	.25	_
4043067	Shroud Fan	3.49	_
4047056	Screw, Holder	.34	_
4245082	Gate Coin Return	5.10	459
4252029	Vend Door Solenoid	9.89	456
4255129	Harness	37.69	–
4270017	letter Sheet	3.54	–
4270025	Label Locate Food Here	1.13	–
4270048	Labels, Price $0.40 - $3.95	10.43	–
4270048	Label Price $0.40- $3.95	10.43	_
4271004	Micro-Switch	11.53	–
4271088	Drive Motor Assembly	172.48	456
4273023	Price Holder	1.15	456
4273090	Solenoid & Bracket Assembly	25.04	–
4273115	Door Stop & Price Holder	2.65	_
4274178	Pan Assembly Condensate	9.18	_
4276000	Main Control PCB	204.73	–
4277029	Tray Divider	5.71	456
4277030	Holder For Tray Divider 427/429	2.65	_
4279015	Ballast Crane 427/429 Food King	22.00	_
4301076	Clamp Suction Line	3.60	_
4301359	Solenoid Laminated	32.95	_
4301364	Bushing Retainer	1.10	_
4301374	Kit Sensor Replacement	26.41	_
4301375	Groove Pin .125 Dia X .875 Lg	.10	_
4301392	Reversible Motor Gpl/National 430	28.07	_
4301399	Kit,Drive Motor & Shaft Repl 430	101.00	_
4301419	Sensor, Pcb Brd Asm	60.73	_
4302069	Safety Sleeve Assembly Gpl Crane	3.89	_
4302145	Door Spring 430	1.13	_
4302166	Cable Clip Used On	.25	_
4302198	Window Door	59.99	_
4302272	Trim Door Side Black Gpl 430	9.95	_
4302414	Clip Door Trim	.96	459
4304037	Pan Evaporator	29.22	_
4304067	Condensate Pan	10.63	_
4304222	Evaporator Assembly R22	266.95	_
4305069	Direction Arrow Sheet Push Button	1.61	_
4307035	Tray Divider	2.76	457
4310038	Roll Pin Package Of 10	1.92	_
4311237	Bushing Stop Pin	.58	_
4314014	Blower Motor	106.65	–
4314066	Bag Compressor Parts 115V	18.79	_
4314098	Gasket Evaporator Inlet	21.83	_
4316011	Price Display PCB Assembly	39.53	–
4319012	Motion Detector Assembly	14.90	_
4327042	Shelf Divider	1.36	456
4327043	Shelf Retainer Revolution	.64	_
4327083	Turret Roller Crane	.79	_
4407055	Roller Drive Rack	1.90	_
4407066	Rack Drive	1.39	_
4407067	Drive Rack Arm Assembly	6.07	_

Part Number	Description	Price	Page
4407079	Arm Drive	1.41	_
4407080	Coupling Motor And Drive Shaft	3.79	_
4407084	Actuator Assembly H.C. Switch	11.65	_
4407160	Lever Latch	3.95	_
4711020	National Cap Plug Spout, Natural	.25	_
4744575	Evaporator And Tube Assembly	185.00	_
4844022	Heater Defrost 115V	57.86	_
6117010	Spout Dispensing	2.40	_
6134155	Kit Manifold	.94	455
6137109	Hose Exhaust 8Ft Length	.40	_
6138287	O Ring	.84	_
6152188	Ballast Assembly-Cabinet	9.41	–
6224035	Liner Grinder Housing	4.81	_
6231431	Retainer .188 Cup Delivery	.04	_
6231536	Mug Sensor	82.37	–
6232065	Delivery Door	6.20	_
6232065	Delivery Door	6.20	_
6232078	Nut Self Threading Used On 327	.25	_
6233061	Turret Center	12.66	_
6233105	Pcb Assembly Detector Cup Assembly	13.86	_
6233107	Pcb Assembly Led-Cup Sensor	4.25	_
6234206	Cam Brewer	1.25	_
6234335	Filter Air Regulator 623/633	.25	_
6237023	Lid, Canister	3.41	–
6237116	Washer Seal Wear Plate	.25	_
6237223	Rotor Grin Wheel	4.86	_
6237224	Cover Grinding Housing	2.51	_
6237269	Grinder Assembly	238.00	–
6237312	Spout, Mixing Bowl	.77	–
6237313	Funnel Cover	4.54	–
6237353	Filter Exhaust Chute	1.09	_
6237436	Motor & Plate Assembly -200RPM	66.02	–
6237437	Motor & Plate Assembly	94.78	455
6237446	Canister Assembly Lightener	54.99	–
6238042	Gasket	3.69	_
6238068	Bracket Mounting Switch	1.93	455
6238084	Switch Lever 10 Gram	3.85	_
6238090	Tubing 13/16 Od X 5/8 Id Bulk	.20	_
6238113	Brass Plate, Eaton Valve	3.05	–
6330030	Valve Repair Kit Cran	20.21	_
6330082	Kit Vent Assembly Single Fb	156.88	_
6333008	Universal Cup Ring	46.25	–
6335002	Service Keypad	10.67	_
6337023	Cannister Assembly Decaf Pre	99.00	_
6338050	Bearing Lid Hot Water	.65	_
6338051	Temp. Prob.	7.83	–
6338053	Valve Hwt 120V K56778-53	18.50	_
6338057	Tank Lid Assembly	72.72	–
6338061	Spray Nozzle Assembly	37.81	–
6339021	Harness Float Switches	3.25	_
6367063	Plate Thumper	1.08	_
6404059	Tube-Pharmed- .38 X .25 White	.43	_
6404070	Brew Screen 60 X 60 Mesh	2.66	_
6404090	Brewer Seal	2.97	_
6408154	Pinch Clamp Assembly	14.95	_
6533000	Canister Lid Assembly	16.94	_
6533001	Canister Lid Assembly	33.72	_
6537013	Gate Canister Nozzel	.52	_
6537014	Nozzle Dispensing	1.04	_
6537018	National Auger And Shaft Assembly	14.08	_
6537019	Vent And Divider Assembly	16.49	_
6537021	Plug Auger New Style	.81	_
6537024	Canister	34.70	_
6537030	Mixing Bowl	1.98	455
6737015	Nut Cap #10-32	.23	_
6737017	Thumper Spring Assembly	2.22	_
6738008	Sensor Temperature Water Tank	7.83	_
7800027	Kit Insert Spiral	15.44	_
86100	Valve Water	20.99	_
86108	Kit Valve Assembly Without Bracket	20.99	_

Part Number	Description	Price	Page
9072706	Tubing Unicellular 3/8 I.D.X3	1.00	_
91-3004-00	Lamp	5.05	–
91-3011-00	Fluorescent Lamp	3.15	_
91-3017-10	Lamp	3.85	_
91-3037-00	F5 Compact Fluorescent	4.45	454
91-3037-00	F5 Compact Fluorescent	4.45	454
9984621	Membrane	10.63	–
9984634	Switch Roller Lever	1.81	_
9989329	Plastic Expansion Nut .250 Spa	.27	_
9989586	Interface Board	20.26	_
9989628	Display Assembly	59.00	_
9989674	Breaker, Circuit 4 Amp	4.79	–
9989677	Relay	4.69	–
9989714	Adaptor Triac Connector	2.89	_
H1/2LBKNS	Shelf Liners	.56	457
H1/2LBNS	Shelf Liners	.56	457
H1/2LRNS	Shelf Liners	.56	457
H1/2LWNS	Shelf Liners	.56	457
H1/2RBKNS	Shelf Liners	.56	457
H1/2RBNS	Shelf Liners	.56	457
H1/2RRNS	Shelf Liners	.56	457
H1/2RWNS	Shelf Liners	.56	457
H1/3CBKNS	Shelf Liners	.36	457
H1/3CBNS	Shelf Liners	.34	457
H1/3CRNS	Shelf Liners	.34	457
H1/3CWNS	Shelf Liners	.34	457
H1/3LBNS	Shelf Liners	.34	457
H1/3LRNS	Shelf Liners	.34	457
H1/3LWNS	Shelf Liners	.34	457
H1/3RBKNS	Shelf Liners	.34	457
H1/3RBNS	Shelf Liners	.34	457
H1/3RRNS	Shelf Liners	.34	457
H1/3RWNS	Shelf Liners	.34	457
H1/4CRNS	Shelf Liners	.20	457
H1/4RRNS	Shelf Liners	.24	457
H1000N	Filter Paper	20.55	454
H1171098N	Leg Leveler Assembly	20.10	–
H1172045N	Coin Insert Casting, Old Style	11.65	–
H1172190N	Lift Handle Lever	15.99	–
H1211141N	Switch 2DM4	7.95	–
H1236050N	Load Switch, For Turning Turret	11.55	–
H1302290N	Replacement Lift Handle Set	.83	454, 459
H1302291N	Pin for Lift Handle	.40	454, 459
H1302401N	Coin Casting, New Style	26.30	–
H1400006N	Item Tabs (Item 1 - Item 30)	2.05	458
H1401110N	Switch 1DM3	5.75	–
H1407019N	Shelf Roller Stud	1.25	458
H1407048N	Shelf Roller Nut	.42	458
H1417001N	Label Holder Snack	2.35	458
H1417030N	Cam Follower	6.80	458
H14494RM	Rinse Hose Assembly -Gravity Feed	7.35	454
H1450005N	Item Tabs (Item A1 - Item G5)	4.10	458
H145002810N	Price Inserts - 1.40/1.45	3.70	459
H145002813N	Price Inserts - 1.70/1.75	3.70	459
H145002814N	Price Inserts - 1.80/1.85	3.70	459
H145002815N	Price Inserts - 1.90/1.95	3.70	459
H14500281N	Price Inserts - .50/.55	3.70	459
H14500282N	Price Inserts - .60/.65	3.70	459
H14500283N	Price Inserts - .70/.75	3.70	459
H14500284N	Price Inserts - .80/.85	3.70	459
H14500285N	Price Inserts - .90/.95	3.70	459
H14500287N	Price Inserts - 1.10/1.15	3.70	459
H14500288N	Price Inserts - 1.20/1.25	3.70	459
H14500289N	Price Inserts - 1.30/1.35	3.70	459
H1450028N	Price Labels .25 - $2.50	3.70	458
H1451105N	Coin Mech Interface PCB Assembly	37.05	–
H1452022N	Instruction Plate, Insert Coin	7.40	–
H1452027N	Lens, Push Button	.63	_
H1452030N	Coin Return Cup Assembly	15.25	455
H1452038N	Gum And Mint Display	12.15	–

Part Number	Description	Price	Page
H1452191N	Coin Return Knob Only	1.85	–
H1452228BN	Replacement Trim	7.85	–
H1452236N	Instruction Plate, Insert Coin Or Bills	7.85	–
H1452330N	Instruction Plate, Insert Coin	8.50	–
H1452362N	Instruction Plate, Electronic Retailer	13.35	–
H1462018N	Light Shield	21.50	–
H1471066N	Receptacle Block And PCB Assy.	21.95	–
H1471399N	Blower Motor For 147/148/474/475	60.75	–
H1472068N	Door Pivot Bracket, Right	3.05	–
H1472069N	Door Pivot Bracket, Left	3.05	–
H1472123N	Instruction Plate, Insert Coin Or Bills	10.00	–
H1472223N	Coin Insert	2.75	–
H1472247N	End Disk Delivery Door, Left Hand	28.35	–
H1472251N	Pushbutton	.67	–
H1472261N	Cable Assembly Ribbon	16.10	–
H1472411N	Pinion Gear	1.25	–
H1475029N	Switch Assembly Selection	20.60	–
H1475051N	Instruction Plate, Electronic Retailer	6.35	–
H1475055N	Switch Assembly Data	29.90	–
H1477002N	Harness Tray, 2 Motors	8.60	–
H1477003N	Harness Tray, 3 Motors	11.15	–
H1477005N	Harness Tray, 6 Motors	29.50	–
H1477015N	Shelf Roller Price $1.00 With Blue	1.65	–
H1477017N	Tray Latches	.66	–
H1477023-1N	11 Count Spiral, Left, Black,	8.60	–
H1477023N	Dual Spiral 11 Count, Left	15.40	458
H1477024N	Spiral Only 11 Count	16.25	–
H1477026N	Dual Spiral 11 Count, Right	15.40	458
H1477027N	Spiral Only 11 Count	16.25	_
H1477029N	13 Count Spiral With Retainer Left	13.45	_
H1477032N	13 Count Spiral With Retainer Right	13.45	_
H1477042N	Spiral	16.65	–
H1477045N	Spiral	16.65	–
H1477074N	Product Pusher	.65	458
H1477094N	Harness Tray, 4 Motors	11.45	–
H1477102N	Spiral Only 6 Count	15.30	–
H1477103N	Spiral, 6ct LH	9.45	–
H1477104N	Right Hand Spiral Only	15.30	–
H1477105N	Dual Spiral 6 Count, Right	9.45	458
H1477107N	Spiral Retainer Only	.28	458
H1477112N	147/148 Product Motor	10.70	458
H1477113N	Coupling Spiral	.65	–
H1477149N	Left Hand 9 Count w/Retainer	11.43	–
H1479062N	Stud	.31	–
H1479066N	PCB Assembly, Gum & Mint Interface	11.35	–
H1479080N	Spool Spring, Gum & Mint	.72	–
H1479145N	Arm For Gum & Mint Motor Tray	.77	–
H1572011N	Coin Cup Trim Black	4.20	–
H1576002N	PCB Assembly, Tray Contact	9.55	–
H157606008N	PCB Assembly, Snack Interface	65.05	–
H1577009N	Product Label Sheet - A0-A9	2.85	459
H1577010N	Product Label Sheet - B0-B9	2.85	459
H1577011N	Product Label Sheet - C0-C9	2.85	459
H1577012N	Product Label Sheet - D0-D9	2.85	459
H1577013N	Product Label Sheet - E0-E9	2.95	459
H1577014N	Product Label Sheet - F0-F9	2.95	459
H1577038N	Motor & PC Board Assembly	17.00	–
H1577038N	Motor & PC Board Assembly	17.00	458
H1577047N	Ao-A9 Item Label Set	5.65	–
H1577048N	Bo-B9 Item Label Set, For National	5.65	–
H1577049N	Co-C9 Item Label Set, For National	5.65	–
H1577050N	Do-D9 Item Label Set	5.65	–
H1577051N	Label-Item Letters-E0-E9	5.65	–
H1577052N	Label-Item Letters-F0-F9	5.65	–
H1577053N	Selection Label Sheet G0-G9	1.47	–
H1579008N	Cable Ribbon, 16 Conductor	4.75	–
H1670031N	Tray Latch Assy Pak	7.25	–
H1679054N	Harness Mdb	6.56	–
H2204092N	Cotter Pin Hair Pin	.41	–
H2224042N	Anti-Pilferage Spring	.75	–
H2226312N	Metal Pull Knob	16.35	–
H2228033N	Main Ratchet Dog Mechanism	3.70	–
H2304108N	Overflow Switch Lever	7.15	–
H3014064N	Ice Dispensing Mech Assembly	199.95	–
H3102027N	Delivery Door Panel	58.25	–
H3102189N	Selection Strip	7.10	–
H3102190N	Selection Strip	6.35	–
H3103029N	E Clips	1.05	–
H3104038N	Dryer C032FM	17.75	–
H3108019R	CDM O-Ring	.59	–
H3108045N	Water Inlet Valve	70.80	–
H3108146N	Switch Water Tank	13.30	–
H3108342N	Electrode Assembly Carb., Short	23.25	–
H3108344N	Electrode Assembly Carb., Long	23.25	–
H3118007N	Low Water Switch Actuator	2.70	–
H3118011N	Switch Limit, Filter Paper Sold Out	4.75	–
H3118012R	Agitator Motor	93.35	456
H3123018N	Overload Protector, Copeland 1/3 HP	22.10	–
H3126124N	PCB Assembly, Power Factor	201.50	–
H3128049N	Capillary Tube Assembly	59.60	–
H3128052N	Capillary Tube Assembly, Long	34.35	–
H3128144N	Agitator Motor Fan Blade	2.30	–
H3128176N	Agitator Motor Replacement Kit	86.55	–
H3148039N	Water Pump	159.50	–
H3148052N	Water Inlet Valve Assembly	80.05	–
H315064N	Switch Ice Level	34.05	–
H3151056N	PCB Assembly Reg Rect & Filter	88.90	–
H3151114N	Replacement Kit Cab Cont E.L.	380.95	–
H3152022N	Pushbutton Grid Assembly	51.80	–
H3152024N	Pushbutton Grid	2.05	–
H3152042N	Touch Pad Membrane - Hot Tron/Cold Tron	23.60	453
H3152281N	PCB Assembly COMP MP Auto	692.65	–
H3152346N	PCB Assembly Automatic Door	47.95	–
H3152480N	Kit Replacement	111.05	–
H3152506N	PCB Assembly Door	483.50	–
H3152565N	Ribbon Cable Assembly	11.45	–
H3153007N	Cycle Switch Assembly	10.90	–
H3153019N	Cup Ring Assembly,	111.00	–
H3154031N	Extruding Head Assembly	329.55	–
H3154035N	Bearing Assembly	113.00	–
H3154070N	Motor Condenser Fan	50.00	–
H3154080N	Agitator Hub Assembly	135.15	–
H3154086N	Kit Drive Pin & Shaft Seal	105.80	–
H3156034N	High Carb Valve Assembly	144.20	–
H3156040N	Triac	28.70	–
H3157030N	Syrup Pump Assembly, Final 9-16 oz.	207.10	–
H3158044N	Ice Bank Control	120.05	–
H3158072N	Cool San Drain Valve	53.65	–
H3158101N	Valve Assembly, 3 Way	127.60	–
H3160004N	Cab Cont 315 Elib With	382.60	–
H3161007N	Cab Cont 315 Elib Without	309.00	–
H3161013N	Transformer	35.10	–
H3167007N	B.I.B. CO2 Pump	129.20	–
H3167066N	Valve Syrup Predyne	80.60	–
H3167103N	Oetiker Clamp, 12.3	1.25	–
H3167104N	Oetiker Clamp, 17.0	1.00	–
H3167122N	Transfer Valve Syrup	37.60	–
H3167125N	Secondary CO2 Regulator	28.20	–
H3167128N	Fitting Parker P4MCB2	1.35	–
H3167129N	B.I.B. CO2 Pressure Switch	60.05	–
H3167151N	Liquid Box QC/D Fitting (Pepsi)	15.05	–
H3167171N	Hose Splicer Juice L & M #4001	2.95	–
H3169006N	PCB Assembly, Sold Out	7.65	–
H3502037N	Switch Limit Brewer Open Clamp	3.15	–
H3502081N	Sold Out Lens	1.09	–
H3612035N	PCB Assembly, Door Cont	503.75	–

Part Number	Description	Price	Page
H3618096N	Probe Sensor Assembly	24.70	–
H401000N	PCB Assembly, Channel Food	65.70	–
H4031050N	Blower Motor Wheel	37.45	–
H4035068N	Canvas Cover	6.35	–
H4035431N	Rear Handle	50.90	–
H4041043N	Condensation Pan, Aluminum	30.00	–
H4041055N	Rear Screen	22.95	–
H4041075N	Evaporator Motor	154.00	–
H4041079N	Fan Blade	18.60	–
H4042027N	Delivery Door Panel	46.30	–
H4042075N	Cashbox	24.70	–
H4042090N	Make Another Selection Lens	6.35	–
H4042230N	Selection Button Castings	28.15	–
H4042531N	Bubble Push Door	38.70	–
H4042532N	Push Door	27.40	–
H4042533N	Push Door Gasket	53.80	–
H4042536N	Pin	1.15	–
H4047075N	Loading Paddle	14.90	–
H4071040N	Circuit Breaker, 15 AMP	16.95	–
H4071041N	Circuit Breaker, 15 AMP	20.45	–
H4101207N	Rear Screen	22.05	–
H4102212N	Selection Button Casting	49.20	–
H4119013N	Temperature Probe	17.25	–
H4171137N	Cold Control	33.33	456
H4171215N	Drip Pan	52.35	–
H4171216N	Lower Screen	38.80	–
H4171220N	Suction Line Cover Assembly	13.50	–
H4171225N	Rear Screen	42.25	–
H4172052N	Glass Gasket	55.20	–
H4172054N	Glass Heater	82.25	–
H4172112N	Pushbutton	5.95	–
H4172201N	9 Selection Button Panel	123.00	–
H4172211N	10 Selection Button Panel	123.00	–
H4172412N	Instruction Frame	41.35	–
H4241289N	Blower Motor	121.00	–
H4245061N	Coin Casting	38.90	–
H4245077N	Coin Casting Block Out Plate	18.05	–
H4245081N	Coin Return Cup	18.80	–
H4245082N	Coin Return Cup Flap	5.25	–
H4245083N	Vend Door Spring	4.55	–
H4245196N	Instruction Plate, Upper	8.60	–
H4245197N	Instruction Plate, Lower	14.20	–
H4246171N	Drive Sprocket	4.80	–
H4246306N	Rack Solenoid	22.15	–
H4246437N	Brake Band, Short	12.82	–
H4246518N	Brake Band, Long	8.10	–
H4247012N	Front Center Cover	2.30	456
H4247029N	Tray Cover - Left, Tray Cover - Center, Tray Cover - Right	2.60	456
H4247030N	Center Tray Cover	2.39	–
H4247031N	Right Tray Cover	2.60	–
H424AN	Price Label Set With Selection	7.35	_
H4255042N	Touch Pad Membrane	22.20	–
H4255252N	PCB Display Assembly	147.75	–
H4255408N	Refrigeration Relay,	18.70	–
H4277050N	Motor Turrett 115V 427 429	48.92	_
H4300050N	Solid State Upgrade Kit	227.70	–
H4301359N	Solenoid Laminated	28.80	–
H4301374N	Sensor Home Switch Kit	34.40	–
H4301391N	Wheel Assembly Optical Switch 431	21.75	_
H4301396N	Drive Gear	2.00	458
H4301398N	Bushing & Drive Shaft Assembly	20.15	–
H4301402N	Home Switch Assy	23.56	_
H4301416N	PCB Assembly, Motor	58.20	–
H4301417N	Triac & Bracket Assembly	72.95	–
H4302145N	Delivery Door Spring	2.40	456
H4302196N	Delivery Door Decal	3.35	–
H4302276N	Fluorescent Socket	3.70	–
H4302319N	Switch For 430 Snack Machine	3.55	–
H4302372N	Delivery Door	10.40	456
H4302533N	Data Switch Assembly	30.10	–
H4302534N	Price Display PCB Assembly	144.05	–
H4302537N	PCB Assembly Power Supply	51.10	–
H4302556N	Blower Motor Assembly	42.25	456
H4302615N	EPROM For Control Board	60.20	–
H4302641N	PCB Assembly Interface	82.35	–
H4305066N	Instruction Plate, Insert Coin	9.05	–
H4305067N	Instruction Plate, Insert Coin Or Bills	9.05	–
H4305075N	Directional Switch Replacement Kit	94.40	–
H4307034N	Product Shelf Shoppertron	7.88	_
H4307034N	Product Shelf	7.88	457
H4311082N	Cam Switch Delay	1.90	_
H4311108N	Stop Pin Assembly 431 Shoppertron	114.28	_
H4311108N	Stop Pin Assembly	114.28	457
H4311114N	Solenoid 120 Vac By Itself	45.25	_
H4311124N	Drive Motor 55 RPM,	75.45	–
H4311144N	Solenoid Assy W/Stop Pin	109.85	_
H4312127N	Vend Door For 430/431	5.50	_
H4316009N	PCB Assembly Cabinet Interface	73.95	–
H4319004N	Ribbon Cable Main PCB To Interface	11.45	–
H4402008N	PCB Assembly Tray Food Module	34.65	–
H4402010N	Flat Cable Assembly	12.60	–
H4404000N	PCB Assembly Interface Fresh Food	60.50	–
H4407079N	Arm Drive Motor	2.45	–
H4407080N	Coupling Motor And Shaft	6.55	–
H4407093N	Cam Health Control Switch Override	7.45	–
H4407501N	Harness 6 Motor	45.15	–
H4614002N	Elect Assembly Relay With Overload	14.90	–
H4614136N	Compressor Comp Water Bath	16.15	–
H4724065N	Relay Compressor	6.95	–
H4724067N	Overload Compressor	5.25	–
H4724124N	Fan Evaporator	30.00	–
H4731059N	Motor, Coffee, Choc, Cream,	60.80	–
H4731346N	Blower Motor For	82.85	–
H4733008N	Motor Cup Release & Turret	38.80	–
H4744508N	Fan Evaporator Axial	162.70	–
H4744510N	Relay Spdt Refg	15.90	–
H4744555N	PCB And Motor Assembly	33.90	–
H4744563N	PCB Assembly Cold Can Module	67.65	–
H4747036N	Switch Actuator Sold Out	1.25	–
H4747606N	Cam Ejector	3.70	–
H4747709N	Bracket And Temperature Assembly	54.65	–
H4750066N	Water Valve	51.65	453
H4751026N	PCB Assembly R3 Coffee	234.30	–
H4774302N	PCB Assembly Interface	90.75	–
H5004420N	Coin Cup Assembly, Metal	35.75	–
H515N	Push Door Panel	37.00	–
H516N	Glass Panel	23.05	–
H5201091N	Switch Roller Lever Brewer Home	6.50	–
H5271687N	Drive Belt	6.80	454
H5272273	Cam	9.25	–
H606N	Coffee Overlay	25.85	–
H6104142N	Brewer Seal, Use H6234375N	2.60	–
H6104428N	Brew Basket With Filter	30.55	–
H6107195N	Impeller Housing	2.95	454
H6107197N	Whipper Impeller	2.20	453
H6107198N	Thrust Spring	7.60	453
H6114015N	Brew Filter	12.35	453
H6117010N	Dispenser Spout	4.55	–
H611N	Menu Label Set	9.05	–
H6132006N	Drive Motor CCW Auto Door	102.65	–
H6132021N	Link Arm Assembly Auto Door	5.65	–
H6132022N	Cam Assembly Auto Door	9.55	–
H6134152N	Coffee Manifold Assembly	34.05	–
H6134155N	Brewer Barrel Manifold Valve	1.05	–
H6137024N	Canister Wheel	6.60	–
H6138038N	Top Seal	10.86	453
H6138076N	O-ring	1.00	–

Part Number	Description	Price	Page
H6138078N	Heater Gasket - Hot Tron	8.65	453
H6138230N	Brew Valve Outlet Spout	13.70	–
H6138235N	Brew Valve Rebuild Kit	28.30	453
H6154284N	Control Assembly	21.55	–
H6157016N	475 Coffee Canister	16.45	–
H6157084N	Flow Regulator Kit	62.75	–
H6183001N	Motor C.C.W., 4.7 RPM	73.90	–
H6187001N	Mixing Bowl	4.55	–
H6202526N	Selection Plexiglass Panel	100.25	–
H6203110N	Arm, Shaft & Roller Assembly,	27.75	–
H6204223N	Filter Support, Stainless 30 Mesh	3.75	–
H6207012N	GFIC Kit	261.20	–
H6208025N	Plunger and Diaphragm	12.70	454
H6208059N	Tank Heater - Hot Tron	80.90	453
H6220002N	Replacement Assembly Grinding	30.75	–
H6230106N	Valve Assy Replacement Kit	19.15	–
H6230108N	Water Valve Assembly	34.95	453
H6230108N-1	Vent Tube For Water Valve Assembly	.89	–
H6231488N	Cup Deflector Mounting Assembly	2.80	–
H6231555N	Blower Motor For	92.60	–
H6233013N	Driver Geneva	1.25	–
H6233014N	Index Plate Geneva	1.10	–
H6233105N	PCB Assembly Detector Cup Sensor	27.90	–
H6234104N	Brew Basket Paperless	4.85	–
H6234213N	Brew Barrel Extension	21.45	–
H6234279N	Switch Brewer	5.85	–
H6234297N	Brew Basket Filter Paper	10.75	–
H6234305N	Brew Barrel Lower Insert Assembly	14.90	–
H6234328N	Barrel Assy-Single Brewer	56.65	–
H6234359N	Air Compressor Brewer	182.20	–
H6234361N	Regulator Assembly	46.35	–
H6234375N	Brew Seal	5.00	453
H6234515N	Switch Actuator Brewer Motor	1.85	–
H6235020N	Switch Assembly Service	33.75	–
H6236018N	PCB Assembly Power Supply	34.80	–
H6236022N	Temperature Control	41.70	–
H6237002N	Mixing Wheel	9.85	454
H6237031N	Coffee Bean Nozzle	1.15	–
H6237057N	Motor Canister, 61 RPM	78.80	–
H6237080N	Dispensing Nozzle	1.40	–
H6237087N	Insert for Bean Hopper Window	2.75	454
H6237098N	Spring For Bean Hopper Window	3.90	455
H6237106N	Nozzle, Dispensing Canister	5.10	–
H6237110N	Whipper Motor Shaft Seal	7.10	–
H6237111N	Whipper Motor	20.00	455
H6237165N	Motor Assembly, 200 RPM	70.05	–
H6237191N	Whipper Rebuilding Kit	7.10	455
H6237195N	Complete Whipper Motor Assembly	15.95	–
H6237201N	Grinder Motor Universal	120.00	–
H6237241N	Pre-Ground Coffee Chute Assembly	18.60	454
H6237252N	Grinder Chute	1.80	455
H6237315N	Mixing Bowl Retainer Tube	1.50	–
H6237340N	Filter for Exhaust Blower	2.40	454
H6237347N	Vinyl Cap Without Hole,	.44	–
H6237439N	Canister	23.50	455
H6238040N	Valve Rubbers	4.50	–
H6238042N	Gasket Heater	6.25	–
H6238074N	O-Ring	.40	–
H6238079N	Coil & Frame Assembly	37.55	455
H6238084N	Switch Lever 10 Gram Water Inlet/	6.85	–
H6238085N	Valve Springs	.48	–
H6238121N	Valve Plunger	3.65	–
H6238123n	Hot Water Valve Body	6.55	455
H6238135N	Thermostat, Auto Reset	5.65	–
H6238172N	Hot Water Valve Seat	.87	–
H6330030N	Water Valve Rebuild Kit	17.85	453
H6334012N	Brewer Motor, 115V	84.75	–
H6335002N	Service Keypad Assembly	18.35	–

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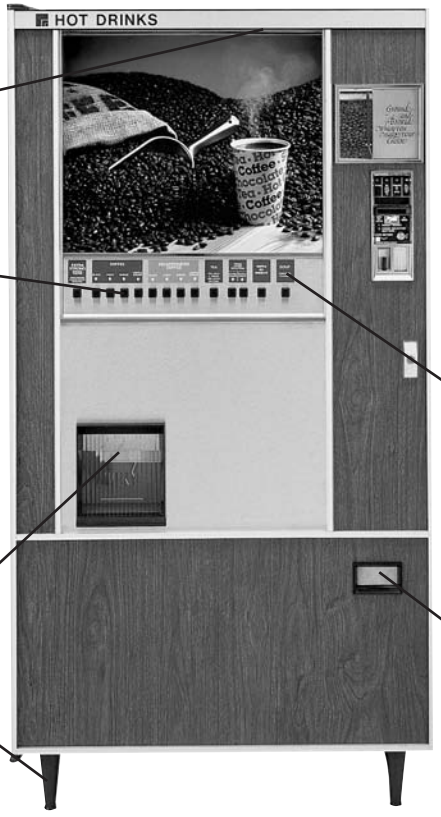
H6336000N	PCB Assembly Interface	319.65	–
H6338003N	Thermostat Assembly Auto Reset	29.70	–
H6338041AN	Heater 1250 Watt	29.39	–
H6338041N	Heater	28.08	455
H6339017N	Flat Cable Display To Controller	8.50	–
H6401036N	Switch Lever Cabinet Interlock	5.00	–
H6401055N	Float Drain Tray	2.40	–
H6401073N	PCB Assembly Cabinet Interface	179.95	–
H6401089N	Blower Motor For 640	77.70	–
H6402000N	PCB Assembly Door Controller	201.75	–
H6402040N	Keypad Assembly Membrane Switch	25.05	–
H6402044N	Key Switch Assembly	18.95	–
H6404004N	Brewer Cylinder	10.10	–
H6404010N	Brewer Motor, 24VDC	40.70	–
H6404011N	Cam Cycle Switch/Coupler	.96	–
H6404043N	Filter Paper	14.70	454
H6404070N	Brewer Screen 60 X 60 Mesh	7.35	–
H6408112N	Thermostat Auto Reset	21.50	–
H6508004N	Thermostat Control	12.65	–
H6508006N	Gasket Heater	5.80	–
H6508032N	Gasket Water Tank Cover	6.85	–
H650N	Selection Plexiglass	88.80	–
H652N	Menu Strip	15.95	–
H653800N	Hot Water Tank Gasket	3.40	455
H660N	Selection Card, Set of 9	10.35	–
H665N	Selection Card, Set of 7	9.85	–
H6730033N	Tank Weld Assembly	386.25	–
H7215019N	Customer Touchpad For 633	19.75	–
H9281725N	Vend Door Gasket	9.30	456
H9905010N	Water Valve Rebuild Kit	23.65	453
H9905018N	Syrup Pump Diaphragm	4.30	456
H9983778N	Triac, 35 AMP 600 Volt	25.75	–
H9984616N	Switch Dpst On/Off	18.50	–
H9984622N	Switch Spdt Toggle 20 AMP	15.00	–
H9984629N	Switch Dpst Toggle 20 AMP	8.65	–
H9988208N	Capacitor Motor Run 17UF	11.20	–
H9989012N	Transformer Assembly, 26V	41.25	–
H9989013N	Transformer Assembly, 28 Volt	35.45	–
H9989021N	Transformer Assembly, 24 Volt	38.55	–
H9989038N	Transformer, 230V115 V To 24V	27.85	–
H9989042N	Transformer, 115VB 230V Primary 24V	53.70	–
H9989100N	Filter Interface	18.40	–
H9989103N	Filter Interface	30.68	–
H9989336N	Circuit Breaker, 3 AMP	6.45	–
H9989356N	Circuit Breaker, 1 AMP	11.70	–
H9989358N	Circuit Breaker, 8 AMP	10.10	–
H9989426N	Circuit Breaker, 1/2 AMP	9.40	–
H9989427N	Touch Pad	4.10	–
H9989428N	145/146 Membrane Selection Sheet	8.95	458
H9989439N	Thermostat, Auto Reset	5.75	–
H9989480N	PCB Assembly, Power Supply	58.35	–
H9989505N	PCB Assembly, Chilled	38.10	–
H9989548N	PCB Assembly, Temperature Sensor	57.50	–
H9989586N	PCB Assembly, Serial Validator	38.40	–
H9989594N	Drum Interlock Switch	5.00	–
H9989672N	Circuit Breaker, 15 AMP	6.35	–
H9989685N	PCB Assembly, Credit Display	95.20	–
HP3158061N	Inlet Water Valve Assembly, 115 VAC	63.80	–
HP4302327N	Vend Door Solenoid Assembly	33.10	–
HP4311125N	Drive Motor Assy with Motion Detector	151.15	–
HPBKN	Shelf Liners	1.65	457
HPBN	Shelf Liners	1.65	457
HPRN	Shelf Liners	1.65	457
P3167111	Product Outlet Assembly Pumps	80.21	–
P6234008	Gear And Cam Assembly	11.56	–
P6734100	Platform Seal And Screen Assembly	16.96	–
PB7TF2006	Back Plate Venus Whipper Upgrade	6.42	–

MODEL 850/8050 (8050 SHOWN)

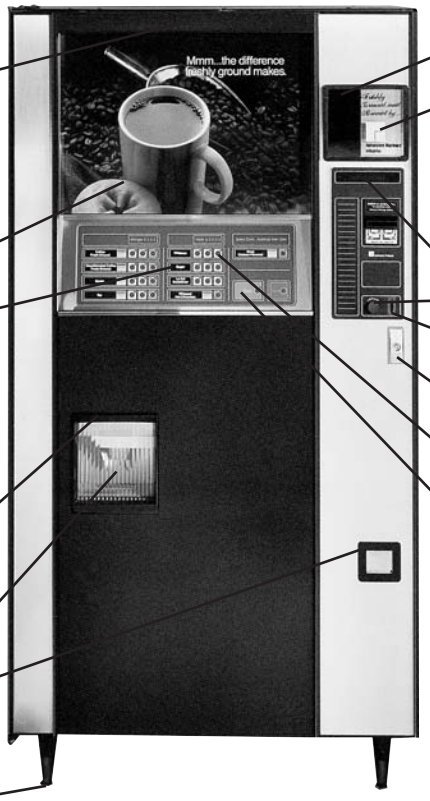
Part Number	Description	Price per ea.
91-3012-10	Lamp	3.30
1914	Ballast	5.99
91-2003-00	Starter	.49
H28962RM	Button Square-8050	1.35
	For 850:	
H20344RM	Button Rect. Hollow	2.15
H440329RM	Bezel w/o LED	13.55
460453	Bezel Decal	2.41
H19290RM	Door-All Models	14.95
H19773RM	Grill-All Models	14.60
300103	Leveler	1.56



Part Number	Description	Price per ea.
H25778RM	Label Set-8050, Brown	13.35
H23296RM	Coin Return Bezel	8.15

MODEL 203/213 (203 SHOWN)

Part Number	Description	Price per ea.
91-3012-10	Lamp	3.30
91-2003-00	Starter	.49
1914	Ballast	5.99
319182	Shield, Artwork	15.79
H32849RM	Sw. Membrane 203-Single	273.30
H34915RM	Sw. Membrane 203-Dual Cup	303.40
	For 213:	
36775	Overlay-Standard	53.96
H36870RM	Overlay-Apollo	42.70
H37854RM	Protective Overlay	25.45
H34365RM	Bezel w/Ind. LED	32.20
H19290RM	Door-All Models	14.95
H440296AP	Coin Return Bezel	2.75
300103	Leveler	1.56



Part Number	Description	Price per ea.
91-3038-00	Bean Viewer Lamp	4.90
36050	Decal	5.40
H440310AP	Display Lens	14.25
H4402893AP	Coin Return Button	3.15
H440309AP	Coin Entrance	1.45
30460	T-Handle	24.28
H32836RM	Label Set 203	12.95
	For 213:	
36776	Label Set-Standard	60.19

CAFE DIEM 223

Part Number	Description	Price per ea.
91-3004-00	Lamp F13T5/CW	CALL
27400005	Product Label Set	7.18

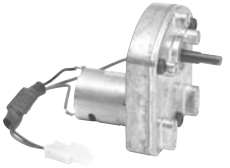
Part Number	Description	Price per ea.
4404442	Trim Ring, Black	9.49
H440310AP	Display Lens	14.25
14400015	Keypad	3.27
440442	Selector Bezel-Black	2.89
660581	Coin Cup Front-Curved	21.36

BREW MOTOR LG 24V
H26700005RM
131.70

WHIPPER 24V
H2670000301RM
29.95

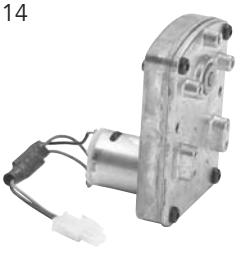
MOTOR

26700002	18 RPM 24V	34.25
26700001	51 RPM 24V	37.93

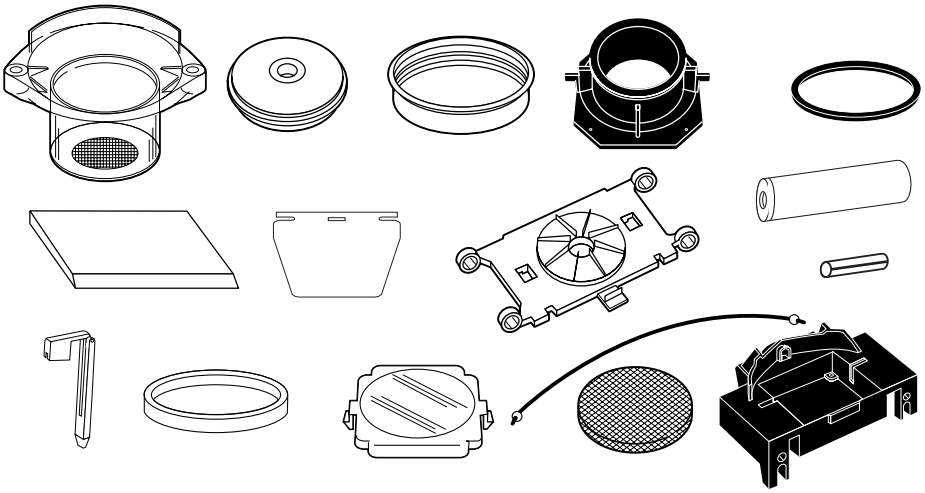


DOOR MAGNETIC SENSOR CUPWELL
38679
19.84

CUP DROP 24V
38258
36.14



BREWER REBUILD KIT

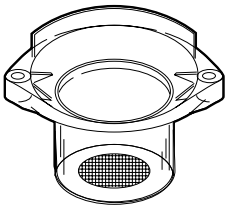


- Ordering made easy with all the high traffic replacement parts needed to rebuild a Brewer Cylinder and Piston Assembly in one simple kit.
- Specific kits for specific machines
- Easy to handle with everything neatly packaged in 1 bag.
- Easy to inventory
- Easy to quickly grab off the shelf and take to a location

Item Number	For Machine Model #	Price per ea.
27-1256-00	RMI 850/8050/211/211E Machine	96.95

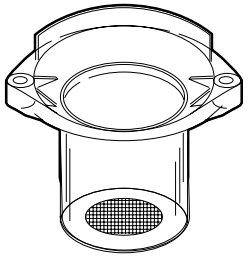
BREW CYLINDER - 7/9 OZ.

850/8050/2000 Series/211/211E/203
H32714RM
19.30



BREW CYLINDER-12 OZ.

213/203DC/203
H35077RM
19.60



FUNNEL 12 OZ FIXED

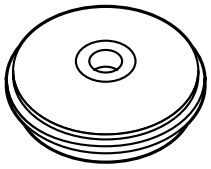
24400003
3.08

FILTER KIT 12 0Z FIXED

H275000041RM
47.29

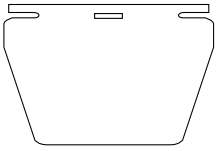
PISTON ASSEMBLY

H29481RM
26.80



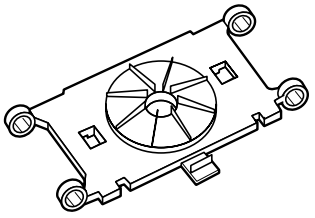
BREW FUNNEL COVER - 7/9 OZ.

H27926RM
7.60



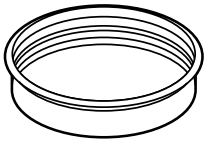
BREW FILTER BRACKET

H28020RM	7/9 oz.	6.85
H35089RM	12 oz.	8.00



PISTON SEAL

H29482RM
7.90

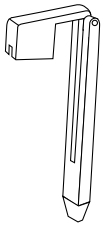


BREW CABLE

H174041RM
3.90

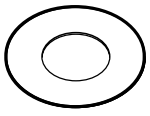
PAWL - BREWER BASE

H15019RM
2.15

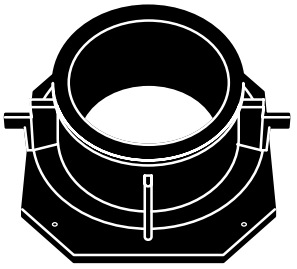


GASKET PISTON SUPPORT

H13085RM
.60

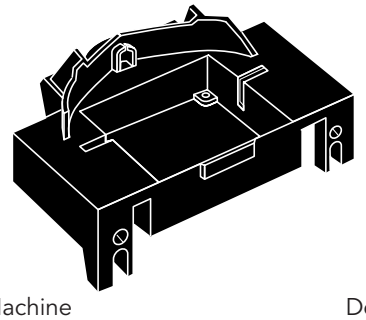


BREW CHAMBER



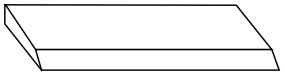
Part Number	Model Machine	Description	Price per ea.
H14372RM	850	Old Style 7/9 oz	11.75
H28406RM	850/8050/211/211E/203/2000 Series	7/9 oz	10.00
H29372RM	850/8050/211/211E/203/2000 Series	7/9 oz w/Seal	19.00
H35087RM	203 DC	12 oz	9.20
H37573RM	203 DC	12 oz w/Seal	27.15
H36772RM	213	12 oz	7.52
H37283RM	213	12 oz w/Seal	20.55

BREW CARRIAGE



Part Number	Model Machine	Description	Price per ea.
H351473RM	850/8050/200 Series/211/211E/203	w/o Wiper	10.83
H29373RM	850/8050/200 Series/211/211E/203	w/ Wiper	16.71
H35147RM	203 DC	w/o Wiper	10.83
H37667RM	203 DC	w/ Wiper	11.50
H351471RM	213	w/o Wiper	12.45
H37282RM	213	w/ Wiper	26.15

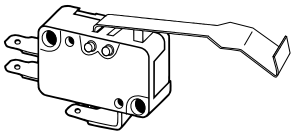
BREW CARRIAGE WIPER



Part Number	Model Machine	Price
H14349RM	850/203DC	2.50
H28526RM	850/8050/2000 Series/211/ 211E/203	2.95

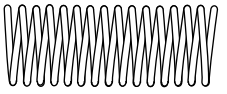
CUP SOLD OUT SWITCH

H36646RM
6.45



CARRIAGE RETURN SPRING, 13"

H15528RM
2.05



FILTER SEAL ASSEMBLY

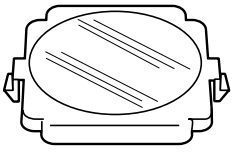
266000951
9.27

BREW CHAMBER SEAL

H12798RM
2.55

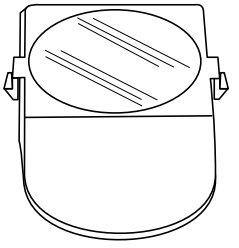
BREW FILTER

H16721RM	7/9 oz.	2.05
H350751RM	12 oz.	13.70



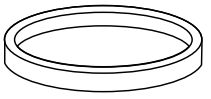
FILTER SCREEN

H367571RM - Black, 12 oz. 7.55



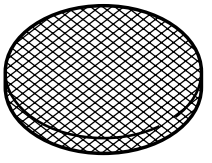
BREW FILTER SEAL

H16724RM	7/9 oz.	.94
H35082RM	12 oz.	4.85
H35081RM	12 oz.	2.50



BREW FILTER SCREEN

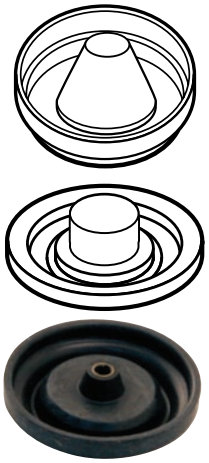
H16723RM - 7/9 oz.
H35081RM - 12 oz.
2.60



COMMODITY VALVE REBUILD KITS

Part Number	Model Machine	Price
27-1258-00	For 850/8050/ 2000 Series/211/ 211E/213/203DC	13.65

DIAPHRAGMS



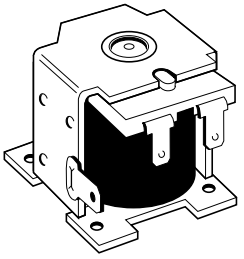
Part Number	Price per ea.	L/10
H32911RM	2.10	1.75
26-1151-00	4.55	4.30

COMMODITY VALVE ASSEMBLY

H30860RM Red Coil 40.95

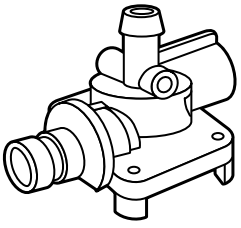
RED SOLENOID COIL

H30596RM
12.00



COMMODITY RED VALVE BODY

H27786RM
9.05

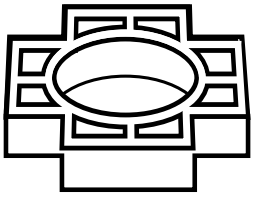


ARMATURE AND SPRING - COMMODITY VALVE

H30598RM
11.35

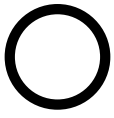
ADAPTOR - COMMODITY VALVE

H27787RM
1.35



O-RING

H32864RM
1.05

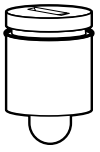


COMMODITY VALVE O-RING - PURPLE

H14759RM
.67

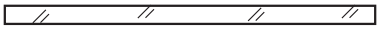
ADJUSTMENT SCREW - COMMODITY VALVE W/SEAL

H27788RM
3.45



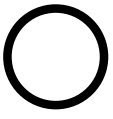
WIPER BLADE SPACER

2-1/4" Plastic - 203/203DC
H35171RM
2.40



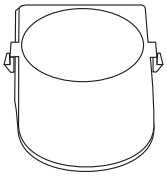
COMMODITY VALVE O-RING - OLD STYLE VALVE

H00522RM
.46



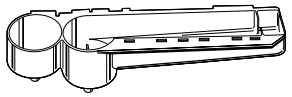
BREW FILTER FOR RMI

H24400018RM
4.56

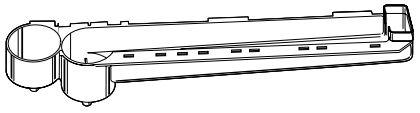


COMMODITY TROUGHS

1 & 3 POSITION, FREEZE DRIED
For 211E
H22900RM
9.10

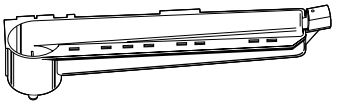


1 & 5 POSITION, FREEZE DRIED
For 8050/203/213/203DC
H21192RM
10.10

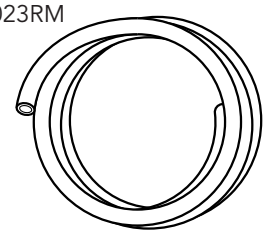


3 POSITION, SPECIALTY GOURMET COFFEE
For RMI Series 213/203DC
H35602RM
10.20

4 POSITION, 2 SPECIALTY GOURMET COFFEE
For RMI Series 213/203DC4 position FB,LG
H36875RM
8.65

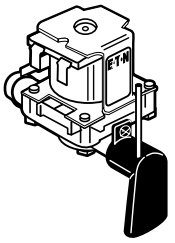


DRAIN TUBE, SILICONE, GRAY
5/16" ID x 1/2" OD FDA Approved
Sold Per Ft.
HP27000023RM
1.95



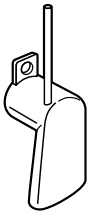
BREWER VALVE ASSEMBLY

H30854RM	203/211/211E/8050	43.75
H35216RM	203/203DC/213	47.15

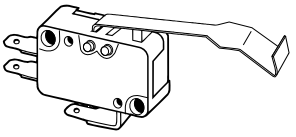


BREWER VALVE SPOUT

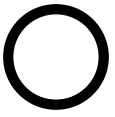
H28733RM	7/9 oz.	6.30
H35178RM	12 oz.	10.55



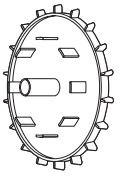
CUP SOLD OUT SWITCH
H36646RM
6.45



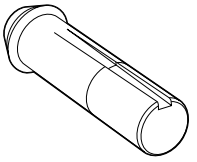
PLUNGER SLEEVE O-RING
H005191RM
.46



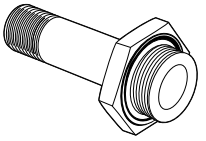
WHEEL FOR COMMODITY CANISTER
H20311RM
4.65



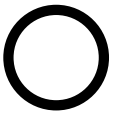
PLUNGER FOR OLD STYLE COMMODITY VALVE
H00632RM
9.50



PLUNGER SLEEVE FOR OLD STYLE COMMODITY VALVE
H00240RM
17.55

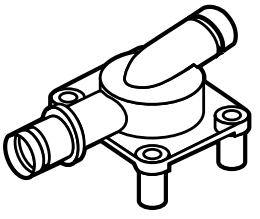


VALVE SLEEVE O-RING OLD STYLE VALVE
H00519RM
.57

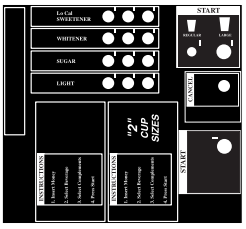


BREWER VALVE BODY

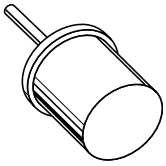
H33424RM	Clear	6.80
H27786RM	Red	9.05



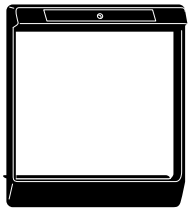
LABEL SET
For 213 machines
H37101RM
10.99



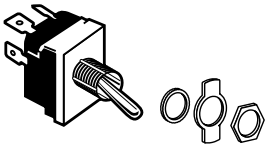
COIN RETURN BUTTON, GRAY
For 203/211/211E/213/203DC
H440289AP
2.75



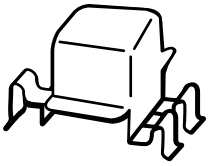
CUP STATION TRIM
H440329RM
13.55



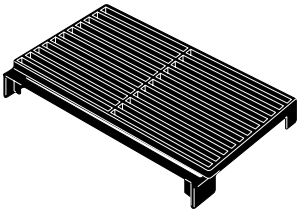
TOGGLE SWITCH
49-0005-00
5.20



SELECTOR BUTTON
H28962RM
1.35

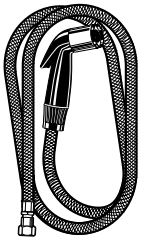


CUP STATION GRILL
H19773RM
14.60

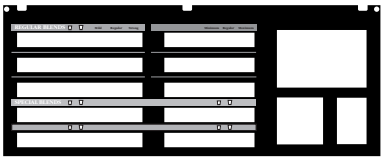


COIN RETURN TRIM
H23296RM
8.15

RINSE HOSE ASSEMBLY
H21287RM - Pressure Feed - 12.45
H14494RM - Gravity Feed - 7.35

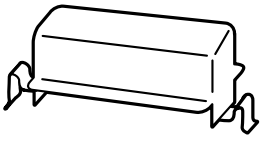


DECAL GRAPHICS
For 213 coffee machines
H36870RM
42.70

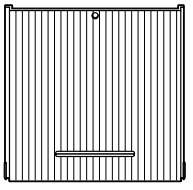


8050 BEAN GRINDER BULB
91-3038-00
4.90

SELECTOR BUTTON
H20344RM - New Style -2.15

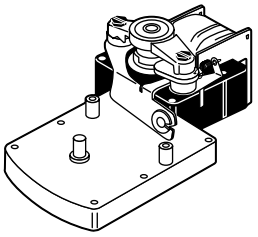


VEND DOOR
H19290RM
14.95

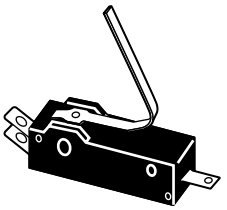


LABEL RETAINER 223 RMI 15 PER PACK
24400097
.30

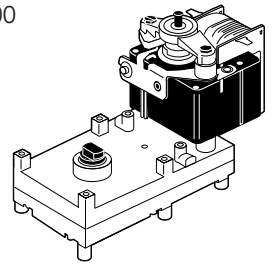
CUP DROP MOTOR
For 850/8050/211/211E/203/213/203DC
H16038RM
53.30



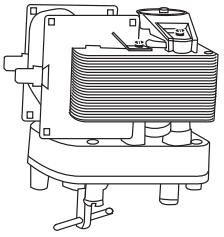
CUP DROP SWITCH
For 850/8050/211/211E/203
H17081RM
5.15



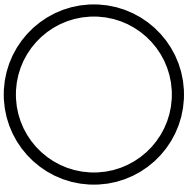
BREWER MOTOR
Old Ref No. 17365, 35252
H37756RM
120.00



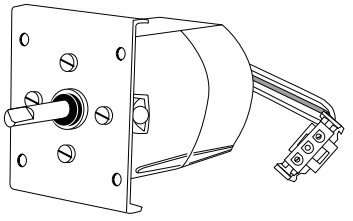
AUGER MOTOR - 180 RPM
For 203/213/850/8050
H22737RM
73.60



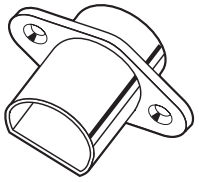
CHOCOLATE HOUSING O-RING
H13919RM
.81



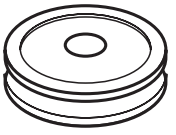
CHOCOLATE WHIPPER MOTOR
H30329RM
246.90



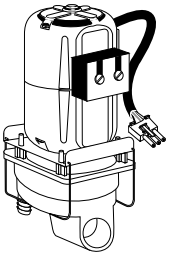
SPOUT CANISTER
For 850/8050/2000 Series
211/211E/203/213/203DC
H26643RM
3.45



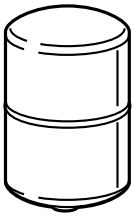
WHIPPER SEAL INNER HOUSING
For 8050/211/211E/203/213/203DC
H27435RM
1.50



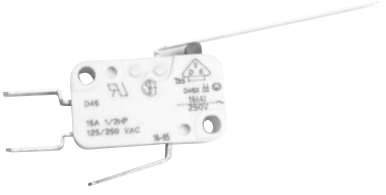
WHIPPER ASSEMBLY, WIRED
For 213/203
H35132RM
201.90



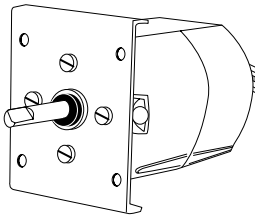
FLOAT
Teflon
H35267RM
17.45



CUP DROP SWITCH
H36038RM
9.35

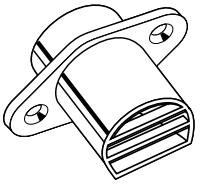


WHIPPER MOTOR
Motor Only
Adapter Harness not included
H33524RM
169.00

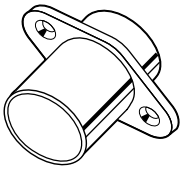


HEATER - BOLT ON
H21449RM
17.85

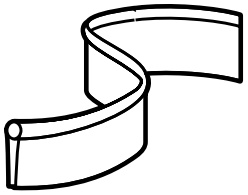
SPOUT CANISTER, LOUVERED
For 211/211E/203
H266431RM
3.45



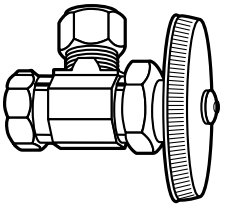
SPOUT CANISTER, NO LOUVERS
Soup, Soluble Gourmet
For 211E/213/203DC
H25961RM
4.60



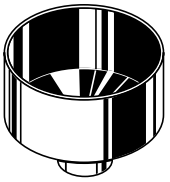
TANK GASKET
H31172RM
7.70



SHUT OFF VALVE
For 850/8050/203/213/203 DC
H14924RM
8.60



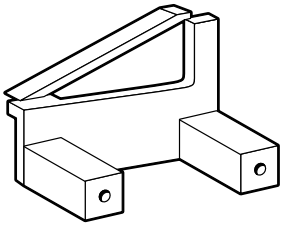
FUNNEL, WHIPPER
Soup/Sugar #1 Mixing Bowl Position
For 213/203DC
H23027RM
4.30



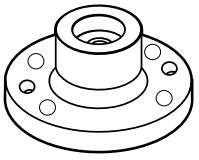
LOCKING NUT
Ref #17592
43-1102-00
2.55

PAWL BREWER
For 213 Machines

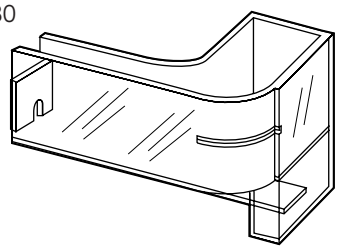
H371861RM	Pawl Brewer, Left	1.45
H37186RM	Pawl Brewer, Right	1.45



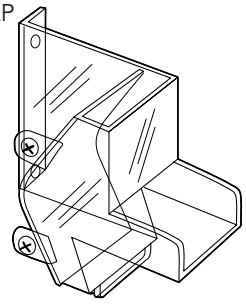
GRINDER COUPLING
For 8050/203DC/213 Machines
H31188RM
15.95



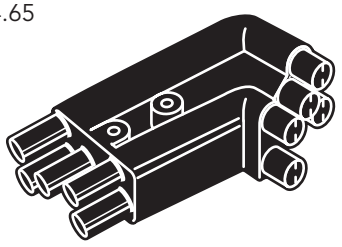
PLASTIC COIN DROP
For 211/211E/203/213/203DC
H440311AP
3.80



COIN CHUTE ASSEMBLY
Water Resistant
For 213/203DC Machines
H660488AP
5.15



SPOUT CAM
H33788RM
24.65



COFFEE MACHINE OVERLAY

- Rich graphics improves the appeal for drinking a cup of coffee
- For RMI machines

Part Number	Description	Size	Price per ea.
H37471RM	Pedestal Artwork, for RMI 213	23-1/2" x 16-3/4"	20.25

CONTROL THERMOSTAT

Part Number		Price
H21899RM	180°	18.12
H24655RM	190°	23.45
H25201RM	180°	43.05

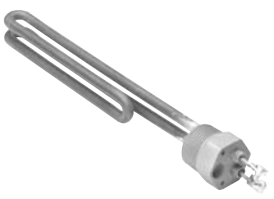
TANK-213/203
34950
395.18

FILL TUBE
H22308RM
39.60

HEATER (LONG)
H21801RM
44.15

180 DEGREE OVERTEMP THERMOSTAT
H35394RM
8.25

HEATER, SCREW IN
H22852RM
56.30

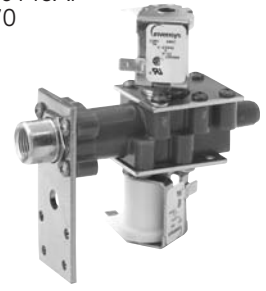


FLOAT ASSEMBLY
H32331RM
80.70

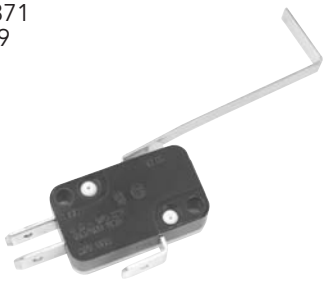
COMMODITY VALVE, 223
2670001502
12.24

BREWER VALVE, 223
H26700044RM
62.05

INLET VALVE
H360146AP
83.70



SOLD OUT SWITCH
23371
6.89



ON/OFF SWITCH
H17462RM
9.99

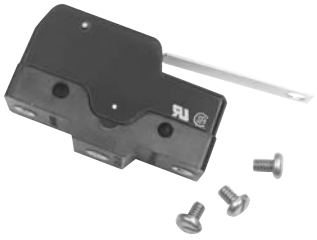
INTERLOCK SWITCH
H33475RM
5.55

BREWER SWITCH
H17583RM
8.35

MOMENTARY FLUSH SWITCH
H14572RM
6.70

POWER RELAY
H27034RM
46.32

FLOAT SWITCH
H19509RM
16.85



SEAL PISTON
29482
14.92

SPOUT GEAR
24400135
2.01

SELECTOR SWITCH
H15675RM
21.15

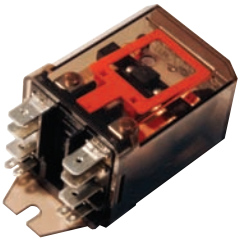
CATCH CUP
H26600004RM
37.71

SPRING WIPER BLADE
24000005
.98

SLAM LATCH
35122
2.52

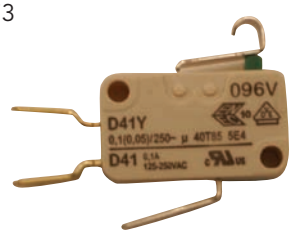
THERMOSTAT SAFETY CM 150 SPST
36573
10.08

HEATER RELAY
26700016
22.31



BREW VALVE BODY 223
2670004402
4.07

SWITCH MICRO RMI
23800014
12.73



Part Number	Description	Price	Page
10213	Belt Timing 10 Inch	1.86	–
115	Kit Valve Commodity 24 Volt 223 Coffee	23.99	–
11956	Spring Piston Return	2.34	–
12493	Pulley Assembly Cup Feed	6.84	–
12716	Screw 1/4-20X1 1/4 Fh Ss Rmi Coffee	1.52	–
13152	Cam Slotted	1.89	–
13795	Belt Timing 22 In Rmi Coffee	2.37	–
13959	Washer Seal	.21	–
14011	Spout Canister W/O Louvers Old Style	2.26	–
14400015	Red Brewer Valve Body	3.27	466
1472105	Label Price Gum & Mint Gpl/ National	5.61	–
15520	Gear Pinion Ap Coffee	8.01	–
15521	Shaft Pinion Ap Coffee	10.26	–
1605811	Nyliner 4L4Fk [14013]	.15	–
16291	Rmi Shaft Idler	3.67	–
16671	Plate Motor Mounting Cup Dispenser	14.36	–
17322	Rod Cylinder Brwer	47.50	–
17324	Bridge Cylinder Brewer Ap Coffee	23.20	–
17415	Screw 1/4-20X1/2	.37	–
175213	Ring Retain 1 3/16 Bcu	.06	–
17846	Screw	.62	–
18443	Nut 1/4 S-T Zp Sr250000S0H Coffee	.09	–
1914	Ballast	5.99	465
20017	Switch Free Vend	8.99	–
20327	Lamp For Bean Viewer 203/213 C Ft7W	2.99	–
21143	Screw 8-32X3/4 Rh Brass 213 Coffee	.09	–
21390	Nut 8-32 X .375 Stand-Off 213 Coffee	1.42	–
22000486	Panel Back 15 Select New 223	37.28	–
22001086	Brew Valve Bracket 223	12.87	–
22565	Assembly Tea Canister Complete	49.25	–
23000006	Rod Metric 12Oz Brewer	14.60	–
23200007	Bridge Piston 12Oz Brewer	26.24	–
2330001402	Gasket Preformed 223 Water Tnk	5.62	–
23371	Sold Out Switch	6.89	474
23500005	Heater Water New Style 223	59.95	–
23800014	Switch Micro	12.73	475
239514	Duct Steam Exhaust 3 Port Ap Coffee	6.57	–
24000005	Spring Wiper Blade	.98	475
24000028	Sping Assist	.36	–
24400003	Funnel 12 oz. Fixed	3.08	467
24400044	Grommet .75Dia	2.56	–
24400066	Grommet .87 Diameter 223 223 Coffee	2.00	–
24400069	Nozzle Large Dispenser Spout Rmi 223	2.59	–
24400097	Label Retainer for 223 Machines, 15 per Pack	.30	471
24400097	Label Retainer 223 Rmi 15 Per Pack	.30	–
24400104	Swing Ring Whip Motor Gasket	.20	–
24400135	Spout Gear	2.01	475
24400136	Door Gear Product	1.86	–
24400142	Magnetic Slide Ap 223 Coffee	8.47	–
24400180	Tube Chute Mini Grinder Lh Rh	12.93	–
24400199	Impeller	3.50	–
24400205	Bucket Grounds	12.74	–
24760	Tubing Tank Ovreflow Per Inch	.26	–
247601	Tube Overtemp Therm 13 In Ap 213 Coffee	7.74	–
26-1151-00	Diaphragm	4.55	469
26600070	Hopper Assembly Dual Mini Grinder	228.88	–
26600078	Canister Insert Assembly Large	115.80	–
26600079	Motor Assembly Large Canister	86.16	–
26600085	Assembly Grinder & Bracket	661.81	–
266001081	Base Assembly 12 Oz Fixed Fil Brn 223	209.00	–
266001523	Canister Rmi	88.40	–
26600195	Motor Asm Spiral W/Clutch	83.77	–
26600201	Cup Drop Assembly Ap 223	170.17	–
26600230	Carriage Assembly Brewer With Wiper	21.74	–
26600257	Spout Assembly Delivery 223	287.00	–
2660028601	Assembly Rinse Hose	20.03	–
26600394	Button Set 223 Cream & One Cup	19.04	–
26600399	Tank Assembly With Valves	971.02	–
26700001	Motor 51 RPM 24V	37.93	466
26700002	Motor 18 RPM 24V	34.25	466
2670001402	Body Brewer Valve Gs 96 223	4.19	–
2670001403	Brew Valve Diaphram 223	3.88	–
2670001502	Commodity Valve, 223	12.24	474
26700016	Heater Relay	22.31	475
26700039	Arm & Spring New Style	9.76	–
26700042	Motor Door Cupwell 24Vdc	55.50	–
2670004402	Brew Valve Body for 223 Machines	4.07	475
26800080	Harness Spout/Cupwell 223 Rmi	27.59	–
26900005	Lamp Incandescent .2 Watt 24 Volt Ap223	1.52	–
27000023	Tubing Per Inch	.31	–
27000026	Tubing 3/4In I.D. 223	.31	–
27-1256-00	Brewer Rebuild Kit for 850/8050/211/211E Machines	96.95	467
27-1258-00	Commodity Valve Rebuild Kit for 850/8050/2000 Series/211/211E/213/203DC	13.65	469
27-1304-00	12 Oz Fixed Filter Base Brewer Rebuild Kit	122.65	–
27178A	Nozzle Only For Rinse Hose	2.99	–
27400005	Product Label Set	7.18	466
27400007	Price Set Sticky 223 Rmi	16.63	–
27500022	Assembly Whipper Bowl Kit	135.95	–
27500068	Kit Brew Valve	75.31	–
2752252730	Gasket Water Tank 30 Inch	3.49	–
28045	Funnel Whpr Basic Lhd Molded	3.94	–
28227	Housing 2 Pin Female Connector	.31	–
294811	Piston Metric	13.79	–
29482	Seal Piston	14.92	475
29940	Trim Vertical Door Edge Black	24.68	–
300103	Leveler	1.56	465
30156	Canister Asm Sgr Sub Comp	60.10	–
30157	Spout Canister With 1 Louver	3.25	–
30460	T-Handle for Model 203/213	24.28	465
30559	Heater Stripfor 203 Swap Plg	54.21	–
30560	Humidity Bar W/Heater Strip	87.97	–
30571A	Thermostat 195 Degree	13.00	–
30711	Jacket Assembly Water Tank Rmi 8050/203	46.13	–
31188OEM	Coupling Grinder 8050G	18.23	–
31473	Rmi Bearing, Grinder 8050G	11.67	–
319182	Shield, Artwork for Model 203/213	15.79	465
32225	Circuit Breaker 16A	31.91	–
32296	Plate Insulation Control Board 213 Coffee	6.29	–
32629	Trough 2 Commodity With Soup	4.75	–
32630	Trough 3-Com Fd/Lg/Tea 213 Coffee	4.70	–
32716	Assembly Ballast 7/9 W Biax	6.67	–
33126	Keyed Switch	35.48	–
3331	Coil 110V W/Rectifier New Style	11.10	–
33544	Mini Grinder Wired 223	592.38	–
336111	Diffuser Shadowbox 203 Coffee	5.46	–
33642	Eprom Code Listed Below	18.68	–
33685	Assembly Humidity Bar Rmi 19 Inch	75.72	–
33859	Boot Float Rod	1.78	–
33933	Chute Weld 203Lg/Dh	8.91	–
340911	Impeller Whipper Long S.Part	1.97	–
34106	Float Asm Red W/7 In Lead	14.14	–
34207	Divider Canister Mld Dg	5.80	–
34369	Harness 110V Mars On 203/213 Rmi	29.68	–
34494-3	Chute Com 3Sgc	10.38	–
34923	Assembly Com Spout Bracket	12.58	–
34950	Tank - 213/203	395.18	474
34952	Jacket Assembly Water Tank 213	47.15	–
34982	Bracket Valve Retainer 2 Valve Rmi 213	2.33	–
34986	Manifold Eaton Com. Valve Pltd	47.50	–
35075	Brew Filter 12 Oz.	9.31	–
35077A	Brew Cylinder 12 Oz	16.80	–
35079	Rod Cylinder Brewer 120Z.	18.06	–
35080	Rod Piston Brewer 120Z.	8.72	–
35101	Chute Decaf 203 Dg&Glg 12 Oz	2.73	–
35102	Cover Decaf Chute Dg/Glg 213	12.76	–
35108	Harness Assy Coin Mech 24/115V	22.50	–
35122	Slam Latch	2.52	475
35280	Probe With Cap	15.57	–

Part Number	Description	Price	Page
35287	Lid Only Water Tank 223 Rmi	80.60	–
35291	Assembly Lid Htw Tank 213Lg	179.49	–
35478	Retainer Artwork Cover Ap 213	18.09	–
35510	Harness Coin Mech 24/115V	21.23	–
35517	Transformer Rmi 211	54.87	–
35602	Trough Commodity 3 Sgc	9.87	–
35920	Harness Door Power 115V	18.23	–
35921	Harness Val 211 Rmi	24.95	–
36026	Assembly Plate Connecting Rod	11.06	–
36050	Decal for Model 203/213	5.40	465
36204	Bracket 4 Valve Eaton	10.23	–
36206	Bracket Manifold Eaton Valve	8.80	–
36331	Retarder Assembly Weld Ap 213 Dual Cup	6.11	–
365202	Assembly Seperator Red Cams Cup Ring	49.61	–
36573	Thermostat Safety CM 150 SPST	10.08	475
36629	Valve Assembly Commodity 211E-4	348.55	–
36775	Overlay-Standard for Model 203/213	53.96	465
36776	Label Set-Standard for Model 203/213	60.19	465
36778	Bracket Cup Separator	16.04	–
36788	Assembly Board Selection/Led/ Switch	243.64	–
36859	Rod Assembly Connecting Cup Dispenser	8.69	–
36888	Brewer Base Assembly Rmi 213/223	121.59	–
37012	Service Manual Rmi 213	10.00	–
370461	Cup Ring Adj W/Mntg;Intl Cups	100.00	–
37188	Sleeve Brass Thermostat 213 Coffee	.46	–
37189	Spring Compression Thermostat 213 Coffee	.34	–
37465	Parts Manual 213 Rmi	10.00	–
37542	Box Exhaust Nestle 213 3 Hole	11.22	–
37576	Hose Steam Exhaust 28 Inch	5.83	–
37665	Motor Asm. Blower 3 Exhaust	133.73	–
38230	Kit Voltage Grounding 213	6.49	–
38258	Cup Drop 24V	36.14	466
38258	Motor Cup Drop 223 Rmi	36.14	–
382777	Connector 1/4 Fpt X 1/4 Tube Rmi Coffee	3.53	–
382778	Lock Clip	.33	–
38325	Ferrite Filter Kit	14.40	–
38455	Hopper Cof Bean Molded 223 Rmi	67.83	–
38458	Insert Hopper Plug 223 Rmi	4.18	–
3859602	Trough 3-Commodity 223	12.19	–
3859701	Trough 4 Commodity	16.79	–
38658	Door Assembly Cupwell	107.18	–
38663	Overflow Steam Sensor	11.95	–
38673	Spout Canister 90 Deg Ramp	9.99	–
38674	Spout Canister 90 Deg Louver	11.06	–
38679	Door Magnetic Sensor Cupwell	19.84	466
38694	Harness Cdb-Rack/Spout	30.70	–
38729	Assembly Inlet Water Valve 223 Rmi	52.48	–
38730	Motor Exhaust Fan 223 Rmi	21.85	–
38739	Switch Over Temp	4.99	–
38741	Switch Harness 223 Rmi	6.08	–
38742	Switch Cup Dispenser	18.20	–
38772	Coffee Driver Board 223 Rmi	703.00	–
38778	Assembly Power Control Board 223 Rmi	43.70	–
38782	Cup Catch Right Hand	4.98	–
38783	Cup Catch Left Hand	4.98	–
38784	Cover Cup Delivery Catch	5.93	–
38785	Cupwell Platform Rmi 223	14.33	–
38788	Tray Cupwell Drip	14.33	–
38789	Cupwell Assembly 223 Rmi	35.16	–
43-0252-00	Screw, 8-32 x 3/8 HH SCP	.18	–
43-0875-00	Star Lock Washer	.17	–
43-1102-00	Locking Nut	2.55	473
440442	Selector Bezel Black	2.89	466
4404442	Trim Ring, Black	9.49	466
460453	Bezel Decal	2.41	465
49-0005-00	Toggle Switch	5.20	471
6330022	Coil Assembly 120V Eaton K5305524	8.93	–
6534001	Brewer Asssembly Single W/O Filter Paper	345.07	–
6605171	Bezel Selector Auto	64.88	–
660581	Coin Cup Front Curved	21.36	466
790010	Air Pot 3.0 Liter With Black Lever	65.99	–

Part Number	Description	Price	Page
91-2003-00	Starter	.49	465
91-3012-10	Lamp	3.30	465
91-3038-00	8050 Bean Grinder Bulb	4.90	465,471
9283502	Door Gasket Rowe	26.91	–
H00240RM	Plunger Sleeve for Old Style Commodity Valve	17.55	470
H005191RM	Plunger Sleeve O-Ring	.46	470
H00519RM	Valve Sleeve O-Ring Old Style Valve	.57	470
H00522RM	Commodity Valve O-Ring - Old Style Valve	.46	469
H00632RM	Plunger for Old Style Commodity Valve	9.50	470
H11115RM	Clear Hose	.27	–
H11639RM	O-Ring 5/8 x 13/16	.07	–
H11749RM	KEP Nut 8-32	.18	–
H11947RM	Cam, Follower	27.59	–
H12716RM	Screw, 1/4-20 7-32	1.95	–
H12798RM	Brew Chamber Seal	2.55	468
H13085RM	Gasket Piston Support	.60	467
H13253RM	Reservoir Lid	6.50	–
H13290RM	Exhaust Hose	16.50	–
H13839RM	Washer, Special Cylinder	.43	–
H13909RM	Outer Housing - Whipper	3.45	–
H13910RM	Housing & Seal Assembly	6.15	–
H13918RM	Slinger, Whipper Motor	.66	–
H13919RM	Chocolate Housing O-Ring	.81	472
H13999RM	Auger Motor, 90 RPM	44.95	–
H14015RM	850 Thermostat Cover	3.70	–
H14046RM	Steam Deflector	17.90	–
H14094RM	Bulb Cover	4.50	–
H14189RM	Rear Screen	7.85	–
H14344RM	Carriage Rod	3.70	–
H14349RM	Brew Carriage Wiper Model 850/203DC	2.50	468
H14354RM	Brewer Base Spring	.64	–
H14370RM	Idler Roller	5.30	–
H14372RM	Brew Chamber Old Style Model 850	11.75	468
H14435RM	Spring Brew Chamber	.41	–
H14469RM	Auger Motor, 51 RPM	47.30	–
H14494RM	Rinse Hose Assembly - Gravity Feed	7.35	471
H14531RM	Indicator Lamp Assembly	1.60	–
H14572RM	Momentary Flush Switch	6.70	474
H14759ARM	Commodity Valve O-Ring, Orange	.44	–
H14759RM	Commodity Valve O-Ring - Purple	.67	469
H14780RM	Stainless Steel Roll Pin 1/16 x 1/4	.24	–
H14806RM	Screw 8-32 x 3/8 HH SCP	.17	–
H14924RM	Shut Off Valve	8.60	473
H15019RM	Pawl - Brewer Base	2.15	467
H15528RM	Carriage Return Spring	2.05	468
H15675RM	Selector Switch	21.15	475
H16012RM	Cup Drop Dispenser, 7 oz.	38.95	–
H16013RM	Dispenser Cup Drop Ring Assembly	54.40	–
H16038RM	Cup Drop Motor	53.30	472
H1605816RM	Nyliner, 8L12F	.92	–
H1605817RM	Nyliner, 8L2FF	.46	–
H160585RM	Nyliner, 12L12FGS	.57	–
H16058RM	Nyliner	.42	–
H16216RM	Valve Adapter	10.70	–
H16291RM	Idler Shaft	6.20	–
H16419RM	Push Nut Acorn	1.19	–
H16438RM	Nylon Cam Follower	.35	–
H16476RM	Screw Inlet	3.15	–
H16477RM	Gasket Eaton	.92	–
H16721RM	Brew Filter 7/9 oz.	2.05	468
H16723RM	Brew Filter Screen 7/9 oz., 12 oz.	2.60	468
H16724RM	Filter Screen 12 oz.	.94	468
H169291RM	Idler Shaft	6.20	–
H17081RM	Cup Drop Switch	5.15	472
H17327RM	Rod, Piston	1.52	–
H174041RM	Brew Cable	3.90	467
H17415RM	Screw 1/4-20 X 1/2 HH Washer Faced	.57	–
H17462RM	ON/OFF Switch	9.99	474
H17521-10RM	Retainer Ring, 7/16	.26	–
H17521-3RM	Retainer Ring, 1/4	.19	–

Part Number	Description	Price	Page
H17583RM	Brewer Switch	8.35	474
H17898RM	Bottom Brew Funnel	2.60	–
H18678RM	Cover & Guide Selection Panel	7.75	–
H19025RM	Cover Access	7.55	–
H19047RM	Drip Ring	1.85	–
H19114RM	Screw 8-32x3/8 Thumb KN BR NPL	.95	–
H19290RM	Door-All Models	14.95	465
H19290RM	Door All Models	14.95	465
H19290RM	Vend Door	14.95	471
H19509RM	Float Switch	16.85	475
H19547RM	Low Watt Heater Protection SW	16.90	–
H19773RM	Grill All Models	14.60	465
H19773RM	Cup Station Grill	14.60	471
H20001RM	Float Switch	19.45	–
H20156RM	Circuit Breaker, 3 AMP	24.10	–
H20174RM	Circuit Breaker, 18 AMP	13.45	–
H202770RM	Shelf Divider Extension	4.75	–
H20288RM	Canister Bottom Basic	14.69	–
H20290RM	Canister Extension-Commodity	5.60	–
H20311RM	Wheel for Commodity Cannister	4.65	470
H20344RM	Button Rectangle Hollow	2.15	465
H20344RM	Selector Button New Style	2.15	471
H20647RM	Canister Lid	3.95	–
H21190RM	Trough RMI	8.60	–
H21191RM	Commodity Trough, FD, 1 & 4 Position	9.95	–
H21192RM	Commodity Trough 1 & 5 Position, Freeze Dried	10.10	470
H21193RM	Screw 4-40X3/4 Rh M Phillips Coffee	.12	–
H21287RM	Rinse Hose Assembly - Pressure Feed	12.45	471
H21449RM	Heater - Bolt On	17.85	472
H21684RM	Heater Gasket	2.60	–
H21744RM	Commodity Trough 850	11.25	–
H21801RM	Heater (Long)	44.15	474
H21829RM	Thermostat Cover	4.90	–
H21899RM	Control Thermostat	18.12	473
H22247RM	Diaphragm, N-42 Valve	7.35	–
H22262RM	Heat Gasket	2.40	–
H22308RM	Fill Tube	39.60	474
H22414RM	O-Ring	1.85	–
H22519RM	Trough	13.95	–
H22564RM	Chocolate Canister Assembly	108.57	–
H22568RM	Canister Assembly-Sugar Complete	70.95	–
H22631RM	Tube Assembly: Tea,Coffee,Water	32.55	–
H22737RM	Auger Motor - 180 RPM	73.60	472
H227RM	T-Handle Assembly	26.65	–
H22852RM	Heater Screw In	56.30	474
H22900RM	Commodity Trough 1 & 3 Position, Freeze Dried	9.10	470
H23027RM	Funnel, Whipper	4.30	473
H23296RM	Coin Return Bezel	8.15	465, 471
H23370RM	Index Switch Assembly	8.25	–
H24400018RM	Brew Filter	4.56	469
H24496RM	Screw	1.35	–
H24573RM	Switch Vend 550 (24575)	14.75	–
H24655RM	Control Thermostat	23.45	473
H25201RM	Control Thermostat	43.05	473
H25776RM	Selection Label Set, White	6.65	–
H25778RM	Label Set Brown for Model 8050	13.35	465
H25961RM	Spout Canister, No Louvers	4.60	472
H26600004RM	Catch Cup	37.71	475
H266431RM	Spout Canister, Louvered	3.45	472
H26643RM	Spout Canister	3.45	472
H2670000301RM	Whipper 24V	29.95	466
H26700005RM	Brew Motor LG 24V	131.70	466
H26700044RM	Brewer Valve, 223	62.05	474
H26895RM	Lock & Cam Assembly	60.85	–
H27034RM	Power Relay	46.32	474
H27175RM	Control Board	606.75	–
H27295RM	Thermostat 180 Deg	6.99	–
H27435RM	Whipper Seal Inner Housing	1.50	472

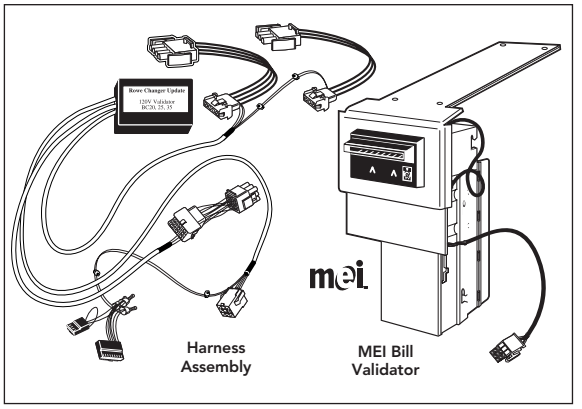
Part Number	Description	Price	Page
H275000041RM	Filter Kit 12 oz. Fixed	47.29	467
H27500092RM	Rmi Piston Kit 7Oz&8Oz Machine	56.40	–
H27786RM	Commodity Red Valve Body	9.05	469, 470
H27787RM	Adaptor - Commodity Valve	1.35	469
H27788RM	Adjustment Screw - Commodity Valve w/Seal	3.45	469
H27791RM	Screw Valve Mounting, (Minimum Order 4)	.31	–
H27793RM	Diaphragm, Eaton Old Style	2.40	–
H27883RM	Commodity Rinse Tray Assembly	203.75	–
H27926RM	Brew Funnel Cover - 7/9 oz.	7.60	467
H28020RM	Brew Filter Bracket - 7/9 oz.	6.85	467
H28375RM	Thumper Solenoid	104.20	–
H28406RM	Brew Chamber w/o Seal Model 850/8050/211/211E/203/2000 Series	10.00	468
H28522RM	Manifold Block	86.20	–
H28526RM	Brew Carriage Wiper Model 850/8050/2000 Series/211/211E/203	2.95	468
H28614RM	Manifold Bracket	8.25	–
H28667RM	Valve Retainer Bracket	8.25	–
H28733RM	Brewer Valve Spout	6.30	470
H28814RM	Dump Valve Bracket	14.55	–
H28825RM	Screw, 6X5/16 PH Type 25 SCP	.17	–
H28909RM	Auger Motor, 170 RPM	64.75	–
H28962RM	Button Square for 8050	1.35	465
H28962RM	Selector Button	1.35	471
H29178RM	Grommet Brake Pad	.33	–
H29372RM	Brew Chamber w/ Seal Model 850/8050/211/211E/203/2000 Series	19.00	468
H29373RM	Brew Carriage Model 850/8050/200 Series/211/211E/203 w/ Wiper	16.71	468
H29436RM	Button Cover Guide	7.70	–
H29481RM	Piston Assembly	26.80	467
H29482RM	Piston Seal	7.90	467
H29938RM	Vertical Door Edge Trim	21.50	–
H2P24002RM	Service Modular, 710/850/8050	398.10	–
H30329RM	Chocolate Whipper Motor	246.90	472
H30399RM	Vertical Trim	10.20	–
H30596RM	Red Solenoid Coil	12.00	469
H30598RM	Armature and Spring - Commodity Valve	11.35	469
H30684RM	Bucket, Coffee Grounds	19.25	–
H30721RM	Water Tank	308.00	–
H30724RM	Strap	11.45	–
H30725RM	Bracket Valve Retainer	12.55	–
H30728RM	Thermosink Copper	9.88	–
H30854RM	Brewer Valve Assembly for 203/211/211E/8050	43.75	470
H30860RM	Commodity Valve Assembly	40.95	469
H31172RM	Float	7.70	473
H31187RM	Cutter, Rotary And Stationary	77.00	–
H31188RM	Grinder Coupling	15.95	473
H31309RM	Trough, COM	15.20	–
H31409RM	Bucket Kit	38.90	–
H31462RM	Housing Assembly Inner/Outer	17.50	–
H31801RM	Display-203	82.20	–
H32285RM	Brewer Tube Trowel	4.70	–
H32331RM	Float Assembly	80.70	474
H32629RM	Trough 2-COM w/Soup	4.90	–
H32630RM	Trough	6.65	–
H32661RM	Specialty Canister Assembly	72.00	–
H32714RM	Brew Cylinder - 7/9 oz.	19.30	467
H32716RM	Ballast Assy, 7/9W BIAX	9.35	–
H32836RM	Label Set for 203	12.95	465
H32849RM	Switch Membrane for Model 203/213	273.30	465
H32864RM	O-Ring	1.05	469
H32865-2RM	Lower Horizontal Trim	7.40	–
H32911RM	Diaphragm	2.10	469
H33386RM	Canister Assembly, Bean Hopper	102.15	–
H33424RM	Clear Brewer Valve Body	6.80	470
H33475RM	Interlock Switch	5.55	474
H33524RM	Whipper Motor w/o Harness	169.00	472
H33788RM	Spout Cam	24.65	473

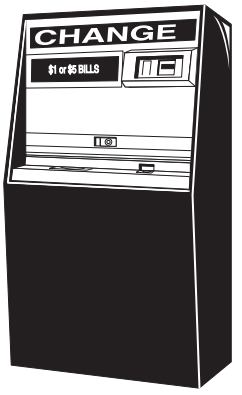
Part Number	Description	Price	Page
H34091RM	Impellar	1.40	–
H34101RM	Molded Coffee Bean Canister	272.05	–
H34106RM	Float	17.00	–
H34216RM	Canister Assy	312.36	–
H34219RM	Commodity Chute, 6 Stack	7.15	–
H34365RM	Bezel with Ind. LED for Model 203/213	32.20	465
H34915RM	Switch Membrane 203 Dual Cup	303.40	465
H34923RMI	Commodity Spout Bracket	19.50	–
H350751RM	Brew Filter 12 oz.	13.70	468
H35077RM	Brew Cylinder - 12 oz.	19.60	467
H35081RM	Door Magnetic Sensor Cupwell	2.50	468
H35082RM	Filter Screen 12 oz.	4.85	468
H35083RM	Brewer Compression Spring	4.85	–
H35087RM	Brew Chamber 12 oz. w/o Seal Model 203 DC	9.20	468
H35089RM	Brew Filter Bracket - 12 oz.	8.00	467
H35132RM	Whipper Assembly, Wired	201.90	472
H35133RM	Whip Motor Assy w/Brackets & Housing	278.45	–
H351471RM	Brew Carriage Model 213 w/o Wiper	12.45	468
H351473RM	Brew Carriage Model 850/8050/200 Series/211/211E/203 w/o Wiper	10.83	468
H35147RM	Brew Carriage Model 203 DC w/o Wiper	10.83	468
H35171RM	Wiper Blade Spacer	2.40	469
H35178RM	Brewer Valve Spout	10.55	470
H35216RM	Brewer Valve Assembly for 203/203DC/213	47.15	470
H35267RM	Float	17.45	472
H35279RM	Hot Water Tank Probe	3.55	–
H35377RM	Float Rod	33.87	–
H35394RM	180 Degree Overtemp Thermostat	8.25	474
H35504RM	Harness, Soup Water Valve To SGC	24.00	–
H35602RM	Commodity Trough 3 Position, Specialty Gourmet Coffee	10.20	470
H35883RM	Retainer Clip Spout	4.30	–
H360146AP	Inlet Valve	83.70	474
H36030RM	Waste Bucket Float Kit	13.25	–
H36038RM	Cup Drop Switch	9.35	472
H362362RM	Commodity Trough, Right Side	9.95	–
H36236RM	Commodity Trough, 2 Position, Left	12.05	–
H36520RM	Cup Ring Assembly Adjustable Seperator Assy	55.65	–
H36568RM	Dual Spout	40.15	–
H36646RM	Cup Sold Out Switch	6.45	468
H36646RM	Cup Sold Out Switch	6.45	470
H367571RM	Filter Screen 12 oz.	7.55	468
H36772RM	Brew Chamber 12 oz. w/o Seal Model 213	7.52	468
H367771RM	Funnel Assembly	4.35	–
H36784RM	Select Panel Assembly Graphic	98.65	–
H36861RM	Price Label Set	7.07	–
H36870RM	Overlay-Apollo for Model 203/213	42.70	465
H36870RM	Decal Graphics	42.70	471

Part Number	Description	Price	Page
H36872RM	Trough COM RS FD w/3SGC	15.15	–
H36875RM	Commodity Trough 3 Position, 2 Specialty Gourmet Coffee	8.65	470
H37046RM	Adjustable Cup Holder	102.50	–
H37101RM	Label Set	10.99	471
H371861RM	Pawl Brewer Left	1.45	473
H37186RM	Pawl Brewer Right	1.45	473
H37282RM	Brew Carriage Model 213 w/ Wiper	26.15	468
H37283RM	Brew Chamber 12 oz. w/ Seal Model 213	20.55	468
H37471RM	Pedestal Artwork for RMI 213	20.25	473
H37543RM	Exhaust Box Assembly Nest 3 Ho Le	37.83	–
H37573RM	Brew Chamber 12 oz. w/ Seal Model 203 DC	27.15	468
H37667RM	Brew Carriage Model 203 DC w/ Wiper	11.50	468
H37756RM	Brewer Motor	120.00	472
H37757RM	Waste Container-10 Quart	20.30	–
H37780RM	Blower Motor Assembly w/Brackets	88.25	–
H37854RM	Protective Overlay for Model 203/213	25.45	465
H37867RM	Bracket Whipper Motor	18.95	–
H37925RM	Bracket Assembly	6.15	–
H38035RM	Whipper Support Bar, 5 Space Rack	13.25	–
H38036RM	Whipper Support Bar, 6 Space Rack	18.15	–
H38468RM	Flash Guard Kit	12.25	–
H38779RM	Cup in Well Sensor	50.35	–
H4402893AP	Coin Return Button for Model 203/213	3.15	465
H440289AP	Coin Return Button - Gray	2.75	471
H440296AP	Coin Return Bezel for Model 203/213	2.75	465
H440309AP	Coin Entrance for Model 203/213	1.45	465
H440310AP	Display Lens	14.25	466
H440311AP	Plastic Coin Drop	3.80	473
H440329RM	Cup Station Trim	13.55	465, 471
H460361AP	Validator Overlay For 7000	5.20	–
H660488AP	Coin Cute Assembly	5.15	473
HP2400005RM	Spacer For Wiper	.42	–
HP24400010RM	Wiper	2.30	–
HP27000023RM	Drain Tube, Silicone, Gray	1.95	470
PS1018G	18In Pro Series Brewer Granite	406.25	–
PS1024G	24In Pro Series Brewer Granite	369.99	–

BILL CHANGER UPGRADE KITS

- Upgrade your Ardac, Rowe, Hamilton and National Changetron to accept $1, $2, $5 or $1, $2, $5, $10, $20
- The MEI AE Series Validator used with these kits has a 700 bill upstacker
- MEI validators allow high acceptance of all bills
- Can be directly replaced with any MEI VN-2501, AE-2400 or AE-2600 Series validator
- Changer is still able to accept coins
- The complete kit replaces the transport and bill stacker with a 120vac validator
- Wiring harness interfaces with the MEI AE and VN validators
- Takes about 30 minutes to install on location
- No cutting or dri)lling needed





Rowe BC35 Bill Changer

Bill Changer Upgrade Kits with MEI AE Series Validator Included (700 Bill Upstacker)

Part Number	Description	Accepts	Price per ea.
42-7465-700	Rowe BC1	$1, $2, $5, $10, $20	671.40
42-7464-700	Rowe BC9	$1, $2, $5, $10, $20	926.05
42-7350-700	Rowe BC11	$1, $2, $5	558.95
42-8195-700	Rowe BC11	$1, $2, $5, $10, $20	716.60
42-7351-700	Rowe BC12	$1, $2, $5	561.45
42-8196-700	Rowe BC12	$1, $2, $5, $10, $20	719.95
42-7352-700	Rowe BC20/25/25MC	$1, $2, $5	561.47
42-8192-700	Rowe BC20/25/25MC	$1, $2, $5, $10, $20	716.60
42-8090-700	Rowe BC35	$1, $2, $5	561.45

Bill Changer Upgrade Kits with MEI VN Series Validator Included (500 Bill Upstacker)

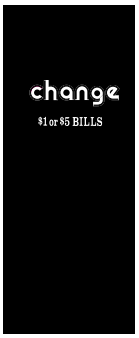
Part Number	Description	Accepts	Price per ea.
42-8090-500	Rowe BC35	$1, $2, $5	534.70

Bill Changer Upgrade Kits with Validator Sold Separately

(Note: A validator must be used with all kits)

Part Number	Description	Accepts	Suggested MEI Validator (Sold Separately)	Happ No. For Validator	Price per ea.
42-3464-00	Ardac A9000	$1, $2, $5	AE-2451-U7E	42-2054-00	226.85
42-3324-00	Hamilton	$1, $2, $5, $10, $20	AE-2611-U7E	42-7310-00	219.40
42-3519-00	Hamilton	With Hopper Dispenser $1, $2, $5, $10, $20	AE-2611-U7E	42-7310-00	219.40
42-3348-00	National Changetron	With Tube Dispenser $1, $2, $5, $10, $20	AE-2611-U7E	42-7310-00	257.95
42-3520-00	National Changetron	With 2 Payout Drums $1, $2, $5, $10, $20	AE-2611-U7E	42-7310-00	257.95
42-7465-00	Rowe BC1	With 4 Payout Drums $1, $2, $5, $10, $20	AE-2611-U7E	42-7310-00	229.95
42-7464-00	Rowe BC9	$1, $2, $5, $10, $20	AE-2611-U7E	42-7310-00	511.15
42-7350-00	Rowe BC11	$1, $2, $	AE-2451-U7E	42-2054-00	215.20
42-8195-00	Rowe BC11	$1, $2, $5, $10, $20	AE-2611-U7E	42-7310-00	282.10
42-7351-00	Rowe BC12	$1, $2, $5	AE-2451-U7E	42-2054-00	220.60
42-8196-00	Rowe BC12	$1, $2, $5, $10, $20	AE-2611-U7E	42-7310-00	287.75
42-7352-00	Rowe BC20/25/25MC	$1, $2, $5	AE-2451-U7E	42-2054-00	215.20
42-8192-00	Rowe BC20/25/25MC	$1, $2, $5, $10, $20	AE-2611-U7E	42-7310-00	257.95
42-8090-00	Rowe BC35	$1, $2, $5	AE-2451-U7E	42-2054-00	219.50
42-8197-00	Rowe BC35	$1, $2, $5, $10, $20	AE-2611-U7E	42-7310-00	257.95
42-3346-00	Rowe BC100	$1, $2, $5, $10, $20	AE-2611-U7E	42-7310-00	363.90
42-3355-00	Rowe BC1200	$1, $2, $5	AE-2451-U7E	42-2054-00	244.75
42-3503-00	Rowe BC1200	$1, $2, $5, $10, $20	AE-2611-U7E	42-7310-00	287.75
42-8188-00	Rowe BC3500	$1, $2, $5, $10, $20	AE-2611-U7E	42-7310-00	569.25
42-3347-00	Rowe SBC2/4	$1, $2, $5, $10, $20	AE-2611-U7E	42-7310-00	326.30

OVERLAYS FOR ROWE BILL CHANGERS



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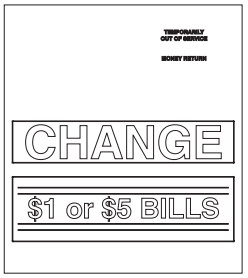

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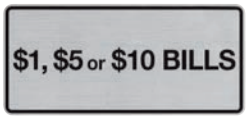


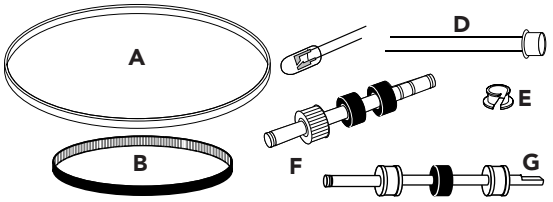
G

H

Item Key	Part Number	Description	Price per ea.
A	H1715R	BC11/12 $1 & $5 Overlay, Black	19.55
B	H170R	BC11/12 $1 & $5 White On Clear Overlay	12.95
C	H167R	BC12 $1 & $5 Instruction Decal	21.00
D	H1693R	BC8/9/20/25 $1 & $5 Overlay	23.30
E	H35074331R	BC35 Change Decal	11.75
F	27-1324-00	BC1200 "Tokens" Decal	11.75
G	27-1325-00	BC1200 $1, $5 or $10 Bill Overlay	16.50
H	H35074329R	$1 & $5 Change Decal	15.55
	49-0474-00	Black Pica Vinyl, Sold Per Foot (For use with A&E overlays)	5.25

MODEL BA-50 DELUXE REBUILDING KIT

Part Number		Price per ea.
27-1204-00	Model BA-50 Deluxe Rebuilding Kit	85.30

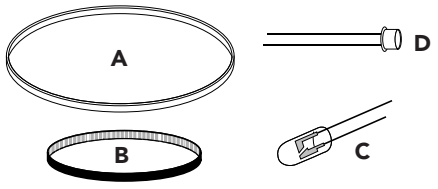


Rebuilding Kit Includes: (All parts are also sold separately)

Item Key	Number	Description	Qty. Incl.	Price per ea.
A	H35114901R	Upper Belt, Drive	2	7.15
B	H35082005R	Timing Belt	2	6.20
C	H70035314R	LED Lamp	1	2.70
D	H25236302R	Photoconductive Cell	2	10.30
E	H70146004R	Bearing Nyliner	4	.75
F	H35114501R	Shaft & Pulley, (Front Roller)	1	21.00
G	H35113601R	Drive Shaft Assembly, (Lower Roller)	1	25.00

MODEL BA-50 STANDARD REBUILDING KIT

Part Number		Price per ea.
27-1205-00	Model BA-50 Standard Rebuilding Kit	33.65

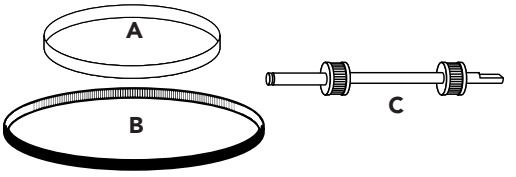


Rebuilding Kit Includes: (All parts are also sold separately)

Item Key	Number	Description	Qty. Incl.	Price per ea.
A	H35114901R	Upper Belt, Drive	2	7.15
B	H35082005R	Timing Belt	2	6.20
C	H70035314R	LED Lamp, Green	1	2.70
D	H25236302R	Photoconductive Cell	2	10.30

MODEL CBA-II REBUILDING KIT

Part Number		Price per ea.
27-1206-00	Model CBA-II Rebuilding Kit For 448E/548/648/4900/5900	39.40

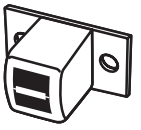


Rebuilding Kit Includes: (All parts are also sold separately)

Item Key	Number	Description	Qty. Incl.	Price per ea.
A	H0031956R	Timing Belt	2	7.35
B	H0031946R	Timing Belt	2	7.35
C	H25244101R	Upper Shaft & Pulley	1	8.95

MAGNETIC HEAD

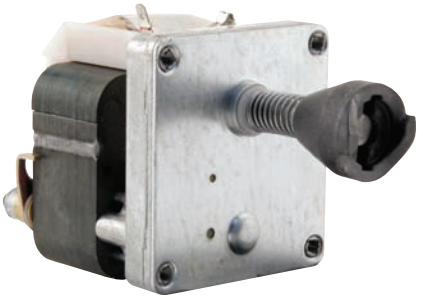
H25076002R
25.35



HOPPER BRUSH
H27023902R
7.80

PCB ASSEMBLY, LED HOLDER
H45076101R
29.55

HOPPER MOTOR
H35049102R
57.66



$1 & $5 CHANGE DECAL
H35074329R
15.55

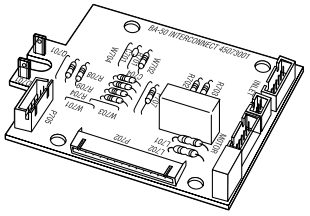
BEVELED AGITATOR - BLACK
H45034204R
2.95

PHOTO DETECTOR AND TERMINAL ASSEMBLY
H20251757R
29.45

COIN AGITATOR
H45034205R Gray 2.80

HEAD HARNESS AND HOLDER ASSEMBLY
For OBA Old Ref # 4-50598-01
H45059803R
154.00

PCB INTERCONNECT BOARD ASSEMBLY
H45073001R
43.60



LEGEND
H35118901R
6.85

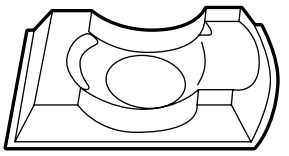
DELUXE QUICK CHANGE LAMP ASSEMBLY
H25166801-1R
7.30

448/448E/448E2/548/648 COLD FOOD

ROWE SHELF LINERS

Part Number		Key	Color	Price per ea.	L/1000
H447CLRR	Can & Fruit Holder	A	Red	.27	.24
H447CLWR	Can & Fruit Holder	A	White	.27	.24
H447CLBR	Can & Fruit Holder	A	Blue	.27	.24
H447PLRR	Pocket Liner	B	Red	.27	.24
H447PLWR	Pocket Liner	B	White	.27	.24

A



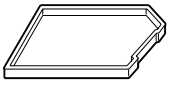
B

ROWE SHELF LINERS

Part Number		Key	Color	Price per ea.	L/800
H448PLRR	Platter Liner	A	Red	.59	.52
H448PLWR	Platter Liner	A	White	.52	.46
H448PLBR	Platter Liner	A	Blue	.52	.47
H448PLBKR	Platter Liner	A	Black	.52	.46
Part Number		Key	Color	Price per ea.	L/700
H448TLWR	Top Liner	B	White	.31	.27
H448TLBR	Top Liner	B	Blue	.31	.27
H448BLWR	Bottom Liner	C	White	.29	.25
H448BLBR	Bottom Liner	C	Blue	.29	.25
Part Number		Key	Color	Price per ea.	L/750
H448LLRR	Left Liner	D	Red	.27	.23
H448LLWR	Left Liner	D	White	.25	.22
H448LLBR	Left Liner	D	Blue	.41	.41
H448LLBKR	Left Liner	D	Black	.23	.22
H448RLRR	Right Liner	E	Red	.27	.23
H448RLWR	Right Liner	E	White	.24	.21
H448RLBR	Right Liner	E	Blue	.32	.32
H448RLBKR	Right Liner	E	Black	.24	.21

A

B



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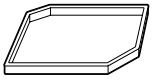

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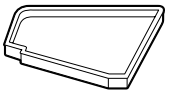


E

9 WATT CONDENSOR MOTOR

27-1001-00
18.75

COMPRESSOR SUPPORT VALVE

For 448/448E/448E2 Machines
H4481243R
47.85

DOOR SPRING

For All Machines
H448513R
2.10

INTERLOCK

For 448/448E/448E2/548/648
H448510R 4" 1.20

DELIVERY DOOR SWITCH

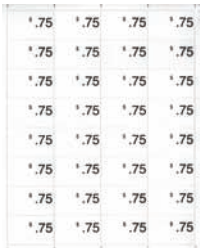
(Rowe Ref.#H4481819R)
For 448 Machine
95-0733-01
.97

448/448E/448E2/548/648 COLD FOOD

INTERLOCK SWITCH
Ref. #448-12837
For 448/448E Machines
95-0407-00
3.25

EVAPORATOR MOTOR
For 448/448E/448E2 Machines
H4481832R
21.60

PRICE INSERTS
For 448 machines

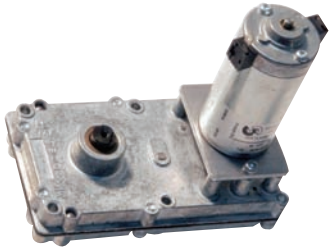


- Clear insert with black numbers
- 11/4 H x 2" W
- 32 per sheet, equates to 12.5 cents ea.
- Strong durable plastic

Part Number	Label	Price
27-1213-00	.50	3.70
27-1214-00	.55	3.70
27-1215-00	.60	3.70
27-1216-00	.65	3.70
27-1135-00	.75	3.70
27-1138-00	.90	3.70
27-1139-00	1.00	3.70
27-1140-00	1.25	3.70
27-1141-00	1.50	3.70
27-1142-00	1.75	3.70
27-1143-00	2.00	3.70
27-1144-00	2.25	3.70
27-1145-00	2.50	3.70
27-1146-00	2.75	3.70
27-1147-00	3.00	3.70
27-1152-00	1.55/1.60/1.65/1.70	3.70

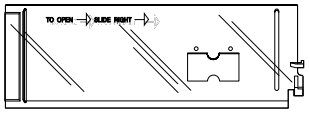
DELIVERY DOOR SWITCH
For 448 Machine
H4481820R
6.65

548 TRANSPORT MOTOR
H5481815R
181.80

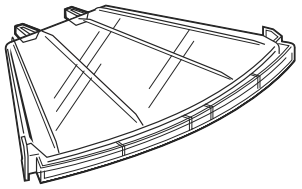


CONDENSATION PAN
For 448/448E Machines
H4486043R
28.47

DELIVERY DOOR
For 448/448E/448E2/548/648 Machines
4" - H4481427R 8.40
5" - H4481428R 9.45

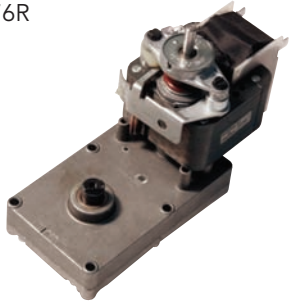


PLATTER SHELF
For 448/448E/448E2/548/648 Food Machines
H448600R
13.15

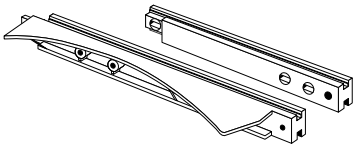


LOCK BAR SWITCH
H4481867R
8.60

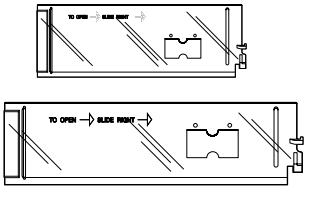
TRANSPORT MOTOR - NEW STYLE
For 448/448E/448E2 Machines
H4481876R
192.25



DOOR RUNNER KIT
For 448/448E/448E2/548/648 Machines
H4486025R
8.00



DELIVERY DOOR & RUNNER KIT
For Rowe 448 Food Machine
H448142-KIT1 Doors & Runners 140.60
H448142-KIT2 Doors Only 90.45



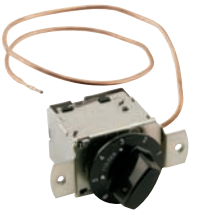
SPLIT SHELF ASSEMBLY
For 448/448E/448E2 Food Machines
5" New Style
H4482602R
27.50

448/448E/448E2/548/648/748 COLD FOOD

HEALTH TIMER
For 448E/448E2
H4481571R
33.60

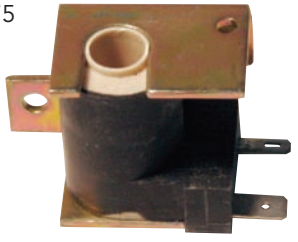
35-WATT CONDENSOR FAN MOTOR
For 448/448E/448E2 Machines
H4481228R
55.60

COLD CONTROL
For 448/448E Machines
H4481829R
20.55

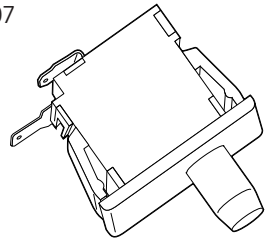


CONDENSING FAN SHROUD
For 448/448E Machines
H448226R
12.60

DOOR LATCH SOLENOID
For 548/648 Food Machines
H5481857R
61.75



COIN DOOR INTERLOCK SWITCH
For 448E/448E2/548/648 Food Machines
H4481591R
10.07



SOCKET
5481840
9.95

HARNESS P2 TO MESSAGE CENTER 548 ROWE
H5481819R
32.03

DELIVERY DOOR ASSEMBLY 4" FOR 748 MACHINES
28216601
13.53

ZERO POSITION SWITCH
5481816
29.49

GLASS FRONTS

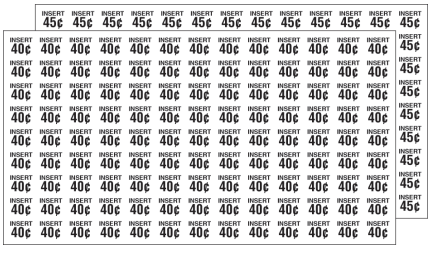
SHELF ROLLER
For 490/4900/5900
H4905R
.60

PRICE INSERTS
For 4900 Snack
27-1576-00
5.85

COLD DRINK

MOMENTARY SWITCH
27-1048-00
4.30

PRICE INSERTS
For Rowe 490/4900 Snack Machines



Part Number	Insert	Price per ea.
27-1276-00	.40 / .45	3.35
27-1277-00	.50 / .55	3.35
27-1278-00	.60 / .65	3.35
27-1279-00	.70 / .75	3.35
27-1280-00	.80 / .85	3.35

Part Number	Description	Price	Page
133481	Spring Lever Ret 4/5/6/748	1.38	–
250025030	Pinch Roller Housing MEI	.36	–
250069056P	Update Chip Gen 2 MEI	15.42	–
25238801	Manual Service Bc3500	25.35	–
25238802	Manual Bc1200	25.00	–
25238902	Roller Output	3.65	–
25552401	Board & Spring Contact Assembly	59.38	–
26600083	Motor Assembly 180 Rpm	30.70	–
27029801	Coin Block Bracket Kit Bc35	17.89	–
27030507	Eprom And Piggyback Bc150 $10	66.67	–
27063802	MEI Me330 $1, 25¢	287.00	–
27-1001-00	9 Watt Condensor Motor	18.75	484
27-1048-00	Momentary Switch	4.30	486
27-1135-00	Price Insert	3.70	485
27-1138-00	Price Insert	3.70	485
27-1139-00	Price Insert	3.70	485
27-1140-00	Price Insert	3.70	485
27-1141-00	Price Insert	3.70	485
27-1142-00	Price Insert	3.70	485
27-1143-00	Price Insert	3.70	485
27-1144-00	Price Insert	3.70	485
27-1145-00	Price Insert	3.70	485
27-1146-00	Price Insert	3.70	485
27-1147-00	Price Insert	3.70	485
27-1152-00	Price Insert	3.70	485
27-1204-00	Model BA-50 Deluxe Rebuilding Kit	85.30	482
27-1205-00	Model BA-50 standard Rebuilding Kit	33.65	482
27-1206-00	Model CBA-II Rebuilding Kit	39.40	482
27-1213-00	Price Insert	3.70	485
27-1214-00	Price Insert	3.70	485
27-1215-00	Price Insert	3.70	485
27-1216-00	Price Insert	3.70	485
27-1276-00	Price Insert .40/.45	3.35	486
27-1277-00	Price Insert .50/.55	3.35	486
27-1278-00	Price Insert .60/.65	3.35	486
27-1279-00	Price Insert .70/.75	3.35	486
27-1280-00	Price Insert .80/.85	3.35	486
27-1324-00	BC1200 "Tokens" Decal	11.75	481
27-1325-00	BC1200 $1, $5 or $10 Bill Overlay	16.50	481
27-1576-00	Price Inserts for 4900 Snack machine	5.85	486
278023	Coin Tube Assembly	52.36	–
28202102	Credit Module	131.18	–
28216601	Delivery Door Assembly 4" for 748 Machines	13.53	486
28216604	Delivery Door Assembly 5In	36.22	–
28522	Manifold Commodity Valve	62.70	–
3400428	Trim Rowe Style Top Auto	20.31	–
35082004	Timing Belt Cba 1	8.39	–
35083004	Lower Track	8.70	–
35143902	Decal $1 & $5 For C2	10.40	–
4081316	Leg Asembly Cabinet Rowe 448 548 648 With Leveler	16.93	–
40915501	Bracket Adapter Bezel MEI	10.85	–
42-3324-00	Hamilton Upgrade Kit without Validator	219.40	480
42-3346-00	BC100 Upgrade Kit without Validator	363.90	480
42-3347-00	SBC2/4 Upgrade Kit without Validator	326.30	480
42-3348-00	National Changertron Upgrade Kit without Validator	257.95	480
42-3355-00	BC1200 Upgrade Kit without Validator	244.75	480
42-3464-00	Ardac A9000 Upgrade Kit without Validator	226.85	480
42-3503-00	BC1200 Upgrade Kit without Validator	287.75	480
42-3519-00	Hamilton Upgrade Kit without Validator	219.40	480
42-3520-00	National Changertron Upgrade Kit without Validator	257.95	480
42-3676-00	Conversion Kit-Rowe 4900 Cba2 To Mei Vn2501	267.60	–
425430	Bezel Cup Compartment Black	27.60	–
42-7350-00	BC11 Upgrade Kit without Validator	215.20	480
42-7350-700	BC11 Upgrade Kit with Validator	558.95	480
42-7351-00	BC12 Upgrade Kit without Validator	220.60	480
42-7351-700	BC12 Upgrade Kit with Validator	561.45	480
42-7352-00	BC20/25/25MC Upgrade Kit without Validator	215.20	480
42-7352-700	BC20/25/25MC Upgrade Kit with Validator	561.47	480
42-7464-00	BC9 Upgrade Kit without Validator	511.15	480
42-7464-700	BC9 Upgrade Kit with Validator	926.05	480
42-7465-00	BC1 Upgrade Kit without Validator	229.95	480
42-7465-700	BC1 Upgrade Kit with Validator	671.40	480
42-8090-00	BC35 Upgrade Kit without Validator	219.50	480
42-8090-500	BC35 Upgrade Kit with Validator	534.70	480
42-8090-700	BC35 Upgrade Kit with Validator	561.45	480
42-8188-00	BC3500 Upgrade Kit without Validator	569.25	480
42-8192-00	BC20/25/25MC Upgrade Kit without Validator	257.95	480
42-8192-700	BC20/25/25MC Upgrade Kit with Validator	716.60	480
42-8195-00	BC11 Upgrade Kit without Validator	282.10	480
42-8195-700	BC11 Upgrade Kit with Validator	716.60	480
42-8196-00	BC12 Upgrade Kit without Validator	287.75	480
42-8196-700	BC12 Upgrade Kit with Validator	719.95	480
42-8197-00	BC35 Upgrade Kit without Validator	257.95	480
440391	Can Dispenser (Door)	5.41	–
44800061	Cam Follower Rowe 448 Cold Food	16.84	–
44800087	Cam Motor Switch Actuator Rowe	3.55	–
44800491	Door Runner Molding Rowe 748	2.30	–
4481028	Drive Shaft	93.64	–
44812416	Lever & Actuator Coin Return	17.83	–
44812806	Latch Link Rivet Assembly	10.95	–
44812849	Start Relay	31.27	–
4481309246	Top Pivot Plate Brown Rowe 448	30.62	–
4481434	Latch Plate Rowe Cold Food 4" Door	16.07	–
4481549	Door Lock Cam	2.99	–
4481819	Switch Delivery Door	9.13	–
4481832A	Motor Fan Evaporator Rowe 448	17.99	–
4481856	Light Socket Assembly Rowe 448	11.25	–
4481875	Motor Switch & Bracket Rowe F or 448	188.44	–
4481894	Bracket And Switch	52.72	–
4482010	Bearing Upper Pivot Shaft	1.80	–
4482241	Lever Lift Refrigeration Unit	2.64	–
4482249	Roller Bushing	1.60	–
448245	Drip Pan For 448/E/E2	19.00	–
4482819	Spring-Interlock Switch	5.96	–
4482917	Insulation Right Side Intake	2.06	–
4482918	Insulation Back Intake	7.18	–
4482923	Insulation Top Refrig Unit	10.64	–
4482925	Insulation Left Side	6.42	–
4484544	Motor Blower *A* 448 548 648	63.73	–
448511	Interlock Slide 5In	.52	–
448514	Spring Delivery Door Latch	1.03	–
4486048	Brake Kit	12.22	–
448693	Delivery Door Runner	2.90	–
45031903	Outer Coin Guide	41.91	–
45057621	Harness-Interconnect Oba 4	69.07	–
45076402	Interconnect Board	24.29	–
45106901	Cba-Low Coin Sensor	87.64	–
45107403	Decal C2 Changer Front Door	34.74	–

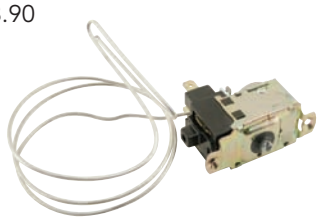
Part Number	Description	Price	Page
45108204	Harness Assembly Nsbc Ba Power	10.62	–
48500407	Plate With Interlock Switch Rowe Snack	15.60	–
49000006	Shoulder Bushing Roller Rowe Snack	.77	–
4901725A	Motor Vend 499 4900	16.99	–
49033	Spiral Snack 12 Ct.	10.97	–
490389	Friction Pad	3.50	–
49042	Bushing Shelf Roller	1.03	–
49-0474-00	Black Pica Vinyl, Sold Per Foot	5.25	481
490F	Price Sheet $.85 Thru $1.00	4.17	–
490G	Price Sheet $1.05 Thru $1.50	4.17	–
49301870	Harness Cba2 P6 To Door Harness	6.89	–
4931462	Pin & Lock Bar Rivet Assembly	68.74	–
4931865	Shelf Motor Rowe 5900 Oem	22.77	–
493325	Hook	9.63	–
493408	Glass 4900 5900	56.32	–
499431	Delivery Door	56.25	–
5001016	Filter Power Supply Board	42.49	–
5001017	Harness Message Display Rowe 7 48	24.55	–
52621286	Interlock Switch	14.49	–
54800533	Bezel Uba Plastic Rowe 548 648	8.93	–
5481513	Harness Assembly	5.48	–
5481515	Power Supply Assembly 648 Rowe	368.84	–
5481523A	Blower Door Assembly 448/548/648	150.65	–
5481816	Zero Position Switch	29.49	486
5481822	Harness Ucb To Uba2	36.94	–
5481825	Harness Ucb To C/M Socket	113.75	–
5481840	Socket	9.95	486
5481847	Service Switch	6.00	–
5481855	Motor Blower Evaporator	129.99	–
5481879	Harness-Pwr Sup To Ref. Relay	11.05	–
54821564	Condenser	262.16	–
548534	Bezel Coin Insert Plastic	17.86	–
548535	Bezel Coin Retainer Cup	20.41	–
5486012	Relay Ss Replacement Kit	34.35	–
58300442	Coin Chute Top Rowe Snack	6.43	–
583404	Bezel Digital Display & Keypad	42.45	–
583415	Gate Coin Insert	5.38	–
5900E	Price Sheet $.75 / $.80	4.39	–
5900G	Price Sheet $1.05 Thru $1.50	4.39	–
59300618	Idler Dual Spiral Rowe Snack	6.96	–
59301908	Assortment Number Block Rowe Snack	8.15	–
5930616	Hub,Dual Helix-Drive Gear Rowe Snack	2.02	–
5931833	Harness MEI On Rowe 5900	46.10	–
5931843	Harness Interface	51.23	–
5931847	Motor Vend	23.50	–
5931913	Price Label Assortment	25.93	–
593614239	Guide Product Black	2.43	–
593730	Spring Gum And Mint Pusher 5900	2.40	–
593739	Motor Housing	3.20	–
65058009	Coin Dispenser Assembly	515.00	–
65094301	Door Weld Assy (Sbc-2)	312.36	–
65094707	Harness Assembly-Main Sbc2	92.54	–
660517	Bezel Selector Assembly Gray	68.79	–
70042733	Eprom Upgrade 2006 $10	25.00	–
70232107	Strain Relief Rowe Changers	.23	–
73600000	Credit Display Board	166.36	–
79920331	Resistor 330 Ohm 2W Wirewound	1.19	–
80500508	Stainless Steel Screw Rowe 748	.26	–
86655001	Gasket Rubber Sponge 1/4 X 1/2	.16	–
9071097	Overlay Coin Return Cup	6.80	–
924176	Nut 3/4	.30	–
92464	Nut-Shelf Roller	.24	–
92464	Nut Shelf Roller	.24	–
93000501	Retaining Clip	.58	–
9334	Retaining Ring	.04	–

Part Number	Description	Price	Page
94100008	Nut, Speed T-6 For 1/8 Stud	.40	–
95000090	Washer Flat Rowe 448 Cold Food	.23	–
95-0407-00	Interlock Switch	3.25	485
95-0733-01	Delivery Door Switch	.97	484
95MXL	Large Drive Belt F/Hsv 300	3.79	–
9791173	Socket Snack Shelf	12.97	–
979253	Plug 15 Contact	16.90	–
98300003	Rowe Channel Door Header	23.11	–
B0031930	Shaft	3.74	–
H 32838RM	Price Stickers 203 $.20 To .75 Rmi	14.55	–
H0031946R	Timing Belt	7.35	482
H0031956R	Timing Belt	7.35	482
H01040764301R	Sel.Pushbutton Assy Switch	94.05	–
H1471822R	Warning Light Relay	16.55	–
H1471830R	Motor Start Relay	22.55	–
H167R	BC12 $1 & $5 Instruction Decal	21.00	481
H1693R	BC8/9/20/25 $1 & $5 Overlay	23.30	481
H170R	BC11/12 $1 & $5 White On Clear Overlay	12.95	481
H1715R	BC11/12 $1 & $5 Overlay, Black	19.55	481
H20251757R	Photo Detector and Terminal Assembly	29.45	483
H21083601R	Spring For BC1200	1.75	–
H2490RM	Valve Drain Water Tank Rmi 203 /213	2.29	–
H25076002R	Magnetic Head	25.35	482
H25166801-1R	Deluxe Quick Change Lamp Assembly	7.30	483
H25175701R	Photodetector Board	26.00	–
H25192902R	Timing Pulley, 22 Tooth	3.85	–
H25194901R	Output Idler Roller	4.25	–
H25213502R	Short Shaft Sleeve	2.30	–
H25236302R	Photoconductive Cell	10.30	482
H25236302R	Photoconductive Cell	10.30	482
H25244101R	Upper Shaft & Pulley	8.95	482
H27023902R	Hopper Brush	7.80	483
H3011710R	Service Transport Switch	4.65	–
H30702R	Foam Block	3.95	–
H30783403R	Stacker Motor	231.20	–
H35049102R	Hopper Motor	57.66	483
H35074329R	$1 & $5 Change Decal	15.55	481
H35074329R	$1 & $5 Change Decal	15.55	483
H35074331R	BC35 Change Decal	11.75	481
H35080801R	Drive Shaft Assembly	21.95	–
H35082005R	Timing Belt	6.20	482
H35082601R	Pressure Roller Spring	1.75	–
H35099404R	Track & Pressure	105.95	–
H35113601R	Drive Shaft Assembly, (Lower Roller)	25.00	482
H35114501R	Shaft & Pulley, (Front Roller)	21.00	482
H35114901R	Upper Belt, Drive	7.15	482
H35114901R	Upper Belt, Drive	7.15	482
H35116902R	Door For BC1200	27.95	–
H35118901R	Legend	6.85	483
H35121501R	Bracket For BC1200	4.85	–
H4081904R	Flavor & Price Selection Label Kit	38.80	–
H408411R	Delivery Door Bezel Old Style	25.05	–
H4214503R	Transport Motor Switch, Half Cycle	13.20	–
H4471869R	Main Door Interlock Switch	6.50	–
H4476539R	Delivery Door Kit, With Bar	148.60	–
H447CLBR	Shelf Liners	.27	484
H447CLRR	Shelf Liners	.27	484
H447CLWR	Shelf Liners	.27	484
H447PLRR	Shelf Liners	.27	484
H447PLWR	Shelf Liners	.27	484
H4481028R	Drive Shaft & Bearing Assembly	64.70	–
H4481033R	Housing Plate & Bearing Assy.	56.20	–
H4481201R	Evaporator Assembly	401.85	–
H4481214R	Service Valve Suction Port	29.29	–

Part Number	Description	Price	Page
H44812210R	Compressor	444.75	–
H4481228R	35 Watt Condensor Fan Motor	55.60	486
H4481232R	Screen Weld Assembly	63.40	–
H44812427R	Light Assembly, Press Select	14.10	–
H4481243R	Compressor Support Valve	47.85	484
H44812806R	Latch Link Rivet Assembly	7.40	–
H44812848R	Switch Line Interupt	34.55	–
H4481417R	Door Latch Assembly	44.94	–
H4481427R	Delivery Door - 4"	8.40	485
H4481428R	Delivery Door - 5"	9.45	485
H448142-KIT1	Delivery Door & Runner Kit	140.60	485
H448142-KIT2	Delivery Door & Runner Kit	90.45	485
H4481561R	Delivery Door Switch	3.45	–
H4481562R	Door Solenoid	17.00	–
H4481571R	Health Timer	33.60	486
H4481591R	Coin Door Interlock Switch	10.07	486
H4481820R	Delivery Door Switch	6.65	485
H4481829R	Cold Control	20.55	486
H4481832R	Evaporator Motor	21.60	485
H4481861R	Rowe Refrigeration Interlock Switch	7.06	–
H4481867R	Lock Bar Switch	8.60	485
H4481873R	Zero Position Switch	38.70	–
H4481876R	Transport Motor - New Style	192.25	485
H448222R	Rowe Fan Blade	13.05	–
H4482242R	Gasket Evaporater Output	37.31	–
H4482246R	Tray Drip	31.16	–
H448226R	Condensing Fan Shroud	12.60	486
H4482417R	Lock Bar 448	20.35	–
H4482602R	Split Shelf Assembly 5' New Style	27.50	485
H4484622R	New Style Heater Coil	55.79	–
H448492R	Door Stop	.93	–
H448510R	Interlock 4"	1.20	484
H448513R	Door Spring	2.10	484
H44856R	Motor Cover Drive	13.47	–
H448600R	Platter Shelf	13.15	485
H4486025R	Door Runner Kit	8.00	485
H4486043R	Zero Position Switch	28.47	485
H448621R	Latch Cover F/Rowe 448	9.45	–
H448625R	Red LED Lens	1.80	–
H448856R	Air Filter,Blower&Heater Assy, Foam	2.90	–
H448BLBR	Shelf Liner	.29	484
H448BLWR	Shelf Liner	.29	484
H448LLBKR	Shelf Liner	.23	484
H448LLBR	Shelf Liner	.41	484
H448LLRR	Shelf Liner	.27	484
H448LLWR	Shelf Liner	.25	484
H448PLBKR	Shelf Liner	.52	484
H448PLBR	Shelf Liner	.52	484
H448PLRR	Shelf Liner	.59	484
H448PLWR	Shelf Liner	.52	484
H448RLBKR	Shelf Liner	.24	484
H448RLBR	Shelf Liner	.32	484
H448RLRR	Shelf Liner	.27	484
H448RLWR	Shelf Liner	.24	484

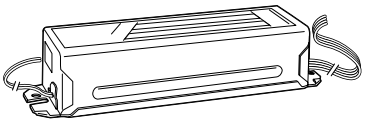
Part Number	Description	Price	Page
H448TLBR	Shelf Liner	.31	484
H448TLWR	Shelf Liner	.31	484
H45032615R	Rowe Escrow Bucket Assy For Bc3500	264.10	–
H45034204R	Beveled Agitator	2.95	483
H45034205R	Coin Agitator - Gray	2.80	483
H45058202R	Harness Assembly Lower Oba	57.92	–
H45058203R	Lower Harness	78.20	–
H45058607R	Transport Motor	78.80	–
H45059803R	Head Harness and Holder Assembly	154.00	483
H45073001R	PCB Interconnect Board Assembly	43.60	483
H45073101R	Head & Holder Assembly	139.35	–
H45076101R	PCB Assembly, LED Holder	29.55	483
H451R	Shopper Button Overlay	5.65	–
H49027R	Helix Hub	2.00	–
H49042R	Bushing	.98	–
H4905R	Shelf Roller	.60	486
H4906027R	Door Leg Kit	35.00	–
H52621286R	Door Interlock Switch	8.10	–
H54801308R	Screen-W/A Rowe Bottom Screen	61.50	–
H5481804R	Pcb Assy, Price Display Assy Top	290.65	–
H5481805R	Pcb Assy,Price Display Assy Center	202.00	–
H5481806R	Pcb Assy, Price Display Assy Bottom	232.25	–
H5481814R	Drive Motor Switch&Plate Assembly Complete	221.75	–
H5481815R	Blower Motor Assembly	181.80	485
H5481817R	Delivery Door Switch	5.85	–
H5481819R	Harness P2 To Message Center 548	32.03	486
H5481841R	548/648 Switch And Bracket Switch Assembly for Delivery Door	50.92	–
H5481854R	Lock Bar Solenoid & Diode Assy.	72.05	–
H5481857R	Door Latch Solenoid	61.75	486
H59301913R	Price Card Assortment, $.25 - $4.00	38.65	–
H5931827R	Display Board Assy Pcb As	233.50	–
H70035314R	LED Lamp	2.70	482
H70073613R	Circuit Breaker	9.85	–
H70146004R	Bearing Nyliner	.75	482
H70146006R	Nyliner Bearing	.56	–
H70146021R	Nyliner Bearing	.74	–
H70703904R	Switch,Spst 6A Mini-Rockr	12.85	–
H9072057R	Incorrect Position Label	2.00	–
H907926R	Door Open Label	1.60	–
H91200049R	20 Amp Circuit Breaker	7.20	–
H91200050R	7 Amp Circuit Breaker	12.65	–
H9300427R	Trim	15.70	–
H9388001R	Relay Refrigeration Rowe 548/ 648	20.83	–
H983101S	Trim Verticle L & R Silver Snap On	11.58	–
OPTHS12V06P	Power Harness	8.99	–
R28206302	Harness 748 Food	67.41	–
R490MDB	Mdb Conversion For Rowe 4900 Snack	159.00	–
R548MDB	Mdb Conversion For Rowe 548	162.00	–
R92100193	Screw-Machine 1/4-20 X 1" Hx	.39	–

TEMPERATURE CONTROL
For all Vendors
H822001001RY
18.90



CONDENSATE PAN
For all machines
H815368RY
3.90

BALLAST KIT
For Pepsi / Cold Drink Machines
H838002RY
58.85



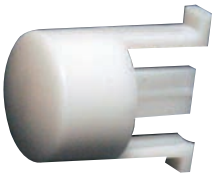
PEPSI / COLD DRINK SELECT BUTTON
For Merlin Machines except Display Machines
H815025RY
2.75

SPONGE
For all Machines
H815037RY
1.30

8" FAN BLADE
For Merlin IV and Coke Machines
H810045RY
8.95

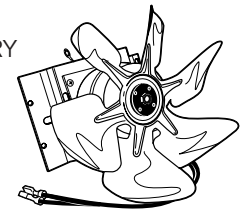
CORRECT CHANGE LAMP
For Electro-Mechanical Machines Only
H841010RY
3.15

COKE SELECT BUTTON
For Coke Machines
H815165RV
.83



EVAPORATOR FAN MOTOR ASSEMBLY
- For GIII
- For Merlin IV Machines
- 35 Watt

H210400RY
175.05

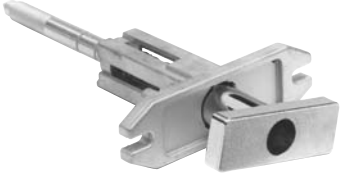


BALLAST FILTER KIT
For all Vendors
H095180RY
39.30

SELECT SWITCH BUTTON
For all Cold Drink Machines Except Live Display Machines
H835012RY
2.65

FAN BLADE FOR EVAPORATOR
For 6 Watt Fan Motor
H810004RY
4.20

T-HANDLE ASSEMBLY
H812176RY
27.50



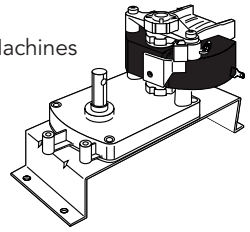
DOOR SWITCH
Run #1521 & After
H835019RV
11.20

SOLD OUT SPRING
For all Vendors
H914003RY
.33

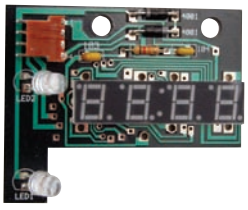
CONTROL BOARD VERSION 5.11
For Merlin 2000 Machines
H836052RY
330.95

VEND MOTOR ASSEMBLY
- 2DP
- 3 Narrow
- For Merlin2000 and Merlin lll Machines

H010770RY
90.75

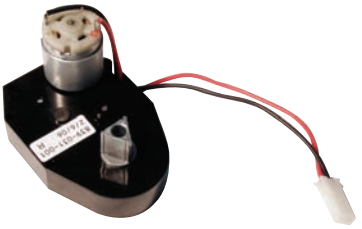


LED DISPLAY
For All Electronic Vendors
H836012RY
56.75



TEMPERATURE SENSOR
For Merlin Machines With Electronic Refrigeration
H822030RY
55.75

VEND MOTOR
M4 Triple D, Low Torque
For Merlin IV Machines
H839031RY
24.10

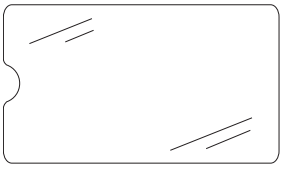


COINCO CONTROL BOARD
.187" Terminals
For Merlin IV Machines
H836101RY
362.50

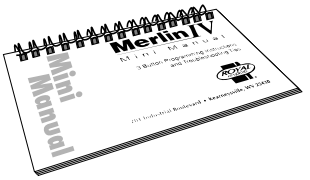
EZ REFERENCE CARD
For Merlin IV Machines
H833032RY
1.30

NYLINER, 1/2
For all Vendors
H916010RY
.79

ANTI-FRICTION SHEET
H915197RY
.85



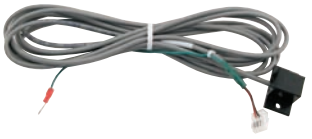
MERLIN IV MINI MANUAL
For Merlin IV Machines
H833020RY
1.30



MERLIN IV MANUAL
For Merlin IV 3-Button Machines
H833021RY
1.30

MERLIN 2000 MANUAL
For all 510 / 609 EV Machines
For Merlin 2000 Machines
H833003RY
1.30

DROP SENSOR 11" LANDSCAPE
For All Merlin Vendors (2000, III, IV)
H836004RY
29.50



LED ASSEMBLY
For All Electronic Vendors
H010593RY
68.70

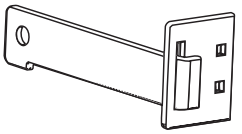
LEG LEVELER
For all Vendors
H803002RY
4.28

SOLD OUT LAMP
91-1160-00
1.25

LOCK COVER

- Ref. # 141110
- Used on Vandal Resistant Coke machines (post serial # 1207) and Merlin IV machines
- Black powder coat finish

30-0190-00
10.45



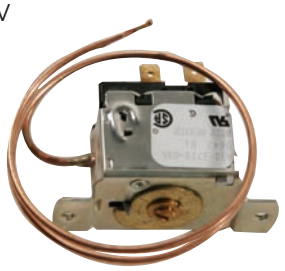
Part Number	Description	Price	Page
010572	Transformer Assembly Merlin	30.56	—
010580023	Coin Box	15.21	—
011140	Lock Cover Assembly	47.14	—
011501	Right Vandal Panel Royal 650	43.71	—
011620004	Inner Door Assembly	261.67	—
012153	Conversion Kit Version 211	587.67	—
012593	Coin Chute Assembly Bottom	29.90	—
019507	Trim 72In	22.12	—
019508	Trim Right Side Royal 552	19.65	—
032806	Trim Bottom Side Royal 552	20.25	—
032807	Trim Top Royal 552	17.99	—
058180	Shim 3 Deep Right Hand	12.84	—
058190	Shim 3 Deep Left Hand	12.84	—
058715	Shim Double Column Side-3 Deep	8.11	—
10426610	Transformer	78.46	—
142507	Coke Trim Royal 552	100.23	—
210400	Evaporator Fan Assembly	117.13	—
256420	Refrigeration System 650 Merlin Iv	399.00	—
257142	72In Anti Bridging Kit Royal Pop	37.76	—
508044	Coke Select Button H815165RV Packed 1000 Per Box	122.45	—
809007	Rotor 3 Deep Narrow	19.99	—
815015	Coin Hopper Narrow Vendor	2.99	—
815026	Inner Door Hinge Bushing	.15	—
815191	Inner Door Port Frame	5.21	—
815248	Port Spacer Wide Vendor Landscape	11.77	—
815249	Port Trim Center Door	17.85	—
820002	Evaporator, Royal Soda	55.49	—
827004	Silicone Grease	30.99	—
835001001	Switch Select	2.54	—
836065	Refrigeration Relay	12.86	—
836065	Royal Refrigeration Relay	12.86	—
836095	Eprom Merlin	25.64	—
836101	Control Board Merlin 4 Coinco	295.57	—

Part Number	Description	Price	Page
842079001	Harness Mdb	13.20	—
901001001	Tee Handle Screw	.49	—
915222	Bearing Rotor Rear Merlin 4	1.85	—
H010593RY	LED Assembly	68.70	491
H010770RY	Vend Motor Assembly	90.75	491
H095180RY	Ballast Filter Kit	39.30	490
H210400RY	Evaporator Fan Motor Assembly	175.05	490
H810004RY	Fan Blade for Evaporator	4.20	490
H810045RY	8" Fan Blade	8.95	490
H812176RY	T-Handle Assy	27.50	—
H812176RY	T-Handle Assembly	27.50	490
H815025RY	Pepsi/Cold Drink Select Button	2.75	490
H815032RY	Door Gasket 552-8 Coke Machine	28.70	—
H815037RY	Sponge	1.30	490
H815165RV	Coke Select Button	.83	490
H815368RY	Condensate Pan	3.90	490
H822030RY	Temperature Sensor	55.75	491
H833003RY	Merlin 2000 Manual	1.30	491
H833020RY	Merlin IV Mini Manual	1.30	491
H833021RY	Merlin IV Manual	1.30	491
H833032RY	EZ Reference Card	1.30	491
H835003RV	Royal Door Switch-Old Style	8.85	—
H835012RY	Select Switch Button	2.65	490
H835019RV	Door Switch	11.20	490
H836004RY	Drop Sensor 11" Landscape	29.50	491
H836012RY	LED Display	56.75	491
H836052RY	Control Board Version 5.11	330.95	491
H836065RY	Refrigeration Relay	15.00	—
H836101RY	Coinco Control Board	362.50	491
H838002RY	Ballast Kit	58.85	490
H839031RY	Vend Motor	24.10	491
H841010RY	Correct Change Lamp	3.15	490
H914003RY	Sold Out Spring	.33	490
H915197RY	Anti-Friction Sheet	.85	491
H916010RY	Nylyner, 1/2"	.79	491

VENDO

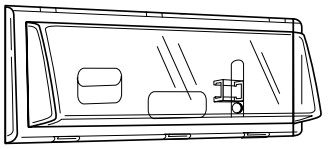
COLD CONTROL
H34324V
18.90

COLD CONTROL
H368794V
21.60

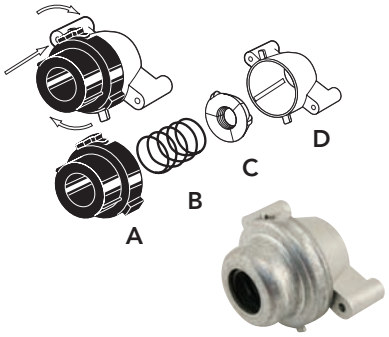


SELECTOR BUTTON -

H370841V	2-5/8" x 3-5/8"	4.80
H388246V	3-1/4" x 1-3/8"	2.60

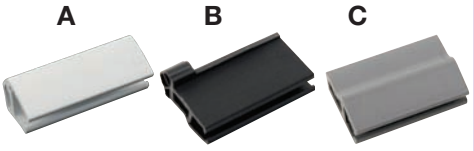


SLAM NUT ASSEMBLY
30-0120-00 Complete Assembly 11.75



Part Number			Price per ea.
A H389689V	Heavy Duty Cap		1.70
B H389690V	Heavy Duty Spring		1.20
C H1033085V	Triple Nut Segment		3.70
D H389022V	Retainer Nut		4.65

CLIPS



Part Number			Price per ea.
H1066104V	A	White Clip	.69
H1066112V	B	Black Clip	1.70
H1066112-1V	C	Grey Clip	1.55

GREY SELECT BUTTON
H1116775V
.92

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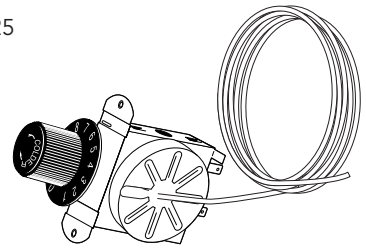
COLD CONTROLS

BEV-AIR TEMPERATURE CONTROL

- Ref. No. 502290B
- Replaces Ref. No. 502125



Part Number		Price per ea.
27-1389-00	Temperature Control for Bev-Air	17.85

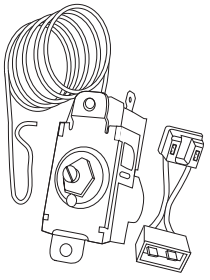
DIXIE NARCO TEMPERATURE CONTROL KIT

- New GE style control for DN501E / 600E machines
- Includes:

(1) Control
(Happ No.H80280058011DN)

(1) Adapter Harness
(Happ No.H80491619001DN)

- Replaces Ref. No. 802,800,500
- Ref. No. 609,012,200.03



Part Number		Price per ea.
H609012200003DN	Dixie Narco Temperature Control Kit	14.51
H80280058011DN	Replacement Temperature Control Only	13.35
H80491619001DN	Replacement Adapter Harness Only	4.60

CAVALIER COLD CONTROL

- Includes knob
- Ref. No. C-4-3186

Part Number		Price per ea.
HC43186C	Cold Control for Cavalier machines	20.55

DIXIE NARCO COLD CONTROL

- Includes knob
- Ref. No. 802,800,090.31

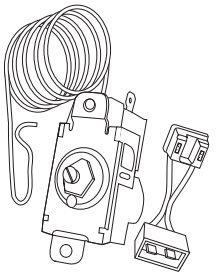
Part Number		Price per ea.
H80280009031DN	Cold Control for Dixie Narco machines	15.40

DIXIE-NARCO TEMPERATURE CONTROL KIT

- New GE Style control
- Replaces Ref. No. 802, 800, 480.21
- Ref. No. 572, 012, 200.04
- Includes:

(1) Control
(Happ No.H80280059021DN)

(1) Adapter Harness
(Happ No. H80491619001DN)



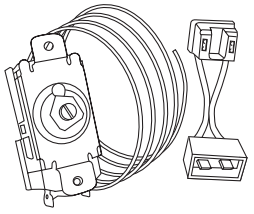
Part Number		Price per ea.
H57201220004DN	Dixie Narco Temperature Control Kit	19.50
H80280059021DN	Replacement Temperature Control Only	15.49
H80491619001DN	Dixie Narco Adapter Harness Only	4.60

DIXIE NARCO TEMPERATURE CONTROL KIT

- New GE Style control
- Replaces Ref. No. 802, 800, 470.01
- Ref. No. 588,012,200.04
- Includes:

(1) Control
(Happ No. H80280065021DN)

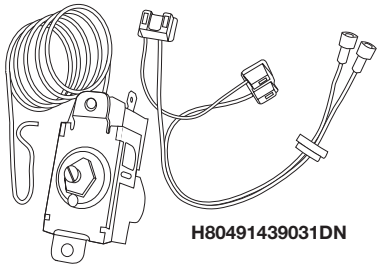
(1) Adapter Harness
(Happ No. H80491619001DN)



Part Number		Price per ea.
H58801220004DN	Dixie Narco Temperature Control Kit	14.25
H80280065021DN	Replacement Temperature Control Only	12.50
H80491619001DN	Replacement Adapter Harness Only	4.60

DIXIE NARCO TEMPERATURE CONTROL

- New GE Style control
- Ref. No. 622,010,300.13



H80491439031DN

H80280060011DN

Part Number		Price per ea.
H80280060011DN	Replacement Temperature Control	11.65

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NATIONAL COLD FOOD CONTROL

- Includes knob
- Includes complete mounting hardware kit
- Ref. No. 417-1137

Part Number		Price per ea.
H4171137N	Cold Control for National cold food machines	33.33

ROWE 448 COLD CONTROL

- Includes knob
- For use on Rowe 448, 448E, 448E2 machines
- Ref. No. 448-1829

Part Number		Price per ea.
H4481829R	Cold Control for Rowe 448 machines	20.55

VENDO TEMPERATURE CONTROL

- With straight probe
- Ref. No. 368794

Part Number		Price per ea.
H368794V	Vendo Temperature Control	21.60

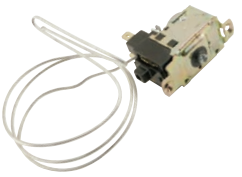
PCB PROBE TEMPERATURE SENSING ASSEMBLY

- For use with Rowe 548/648 Food Machines
- Complete assembly including connector, cable and sensor in a metal probe
- Mfg. Ref.#H5481818R

Part Number		Price per ea.
96-0582-00	Temperature Sensing Probe	39.95

ROYAL VENDORS TEMPERATURE CONTROL

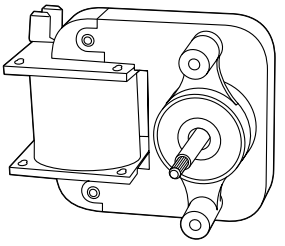
- Ref. No. 822001001



Part Number		Price per ea.
H822001001RY	Royal Vendors Temperature Control	18.90

CHOICE VEND EVAPORATOR MOTOR

- Used on Choice Vend cold can machines
- Ref. No. 863243



Part Number		Price per ea.
H863243CV	Choice Vend Evaporator Motor	22.05

TRUE COOLER COLD CONTROL

- Includes knob
- Ref. No. 250B/400456

Part Number		Price per ea.
H800306T	Cold Control for True Cooler machines	21.60

DELIVERY AND VEND DOORS

NATIONAL DELIVERY DOOR

- For National Shoppertron cold food machine
- Ref. No. 430-2372

Part Number		Price per ea.
H4302372N	Delivery Door for National Shoppertron	10.40

RMI COFFEE VEND DOOR

- For RMI coffee machines
- Ref. No. 19290

Part Number		Price per ea.
H19290RM	Vend Door for RMI Coffee	14.95

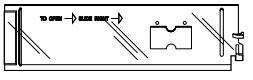
REPLACEMENT ROWE 448 4" DELIVERY DOOR

- For Rowe 448, 448E, 448E2, 548, 648 cold food machines
- Ref. No. 448-1427

Part Number		Price per ea.
H4481427R	4" Delivery Door for Rowe 448	8.40

REPLACEMENT ROWE 448 5" DELIVERY DOOR

- For Rowe 448, 448E, 448E2, 548, 648 cold food machines
- Ref. No. 448-1428



Part Number		Price per ea.
H4481428R	5" Delivery Door for Rowe 448	9.45

CONDENSER FAN MOTORS

- Cast Iron or aluminum
- UL/CSA listed

Part Number		Price per ea.	L/12
27-1184-00	4 Watt Cast Iron	18.85	18.05
27-1009-00	6 Watt Cast Iron	21.50	20.55
27-1248-10	9 Watt Aluminum, Clockwise	19.75	18.80
27-1001-00	9 Watt Cast Iron, Clockwise	18.75	18.25
27-1249-110	16 Watt, Cast Iron, Clockwise, 110V	26.15	25.00

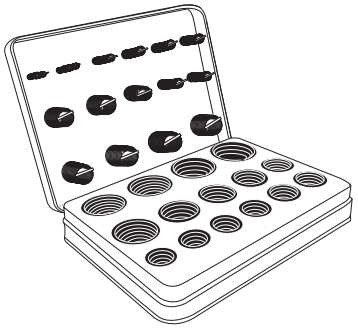
35-WATT CONDENSOR FAN MOTOR

- For 448/448E/448E2 Machines
- Ref. No. 448-1228

Part Number		Price per ea.
H4481228R	35-Watt Condensor Fan Motor	55.60

O-RING KIT

- A wide variety of o-rings to cover any application or emergency
- Sturdy plastic case neatly stores 30 sizes of the most popular o-rings
- Contains 383 o-rings
- Sizes range from 006 to 327



Part Number		Price per ea.
43-1467-00	O-Ring Kit	24.15

POCKET THERMOMETERS

- Handy clip-on pocket thermometers used in the food industry
- 1" dial is easy to read
- Fits into a hard plastic pen-type case
- Case comes with a circular clip to hold the thermometer while testing hot food or liquids
- External hex nut allows temperature adjustments to the thermometer

Part Number		Price per ea.
27-1186-00	-40° to 160°F	6.25
27-1187-00	0° to 220°F	6.25

STICK 'M UPS THERMOMETERS

- Comes complete with a magnetic, and adhesive back
- Handy thermometer is easily placed anywhere, inside or outside of machine
- 2" Dial Face
- -20° C to +120° F
- Also reads in Celsius

Part Number		Price per ea.	L/6
27-1025-00	Stick 'M Ups Thermometer	3.35	3.05

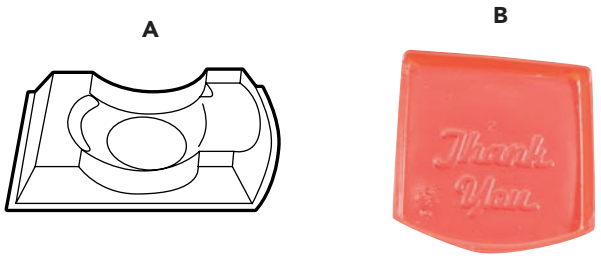
URN CLEANER

- Eliminates stale odors and bad taste from coffee
- Great for metal and glass fixtures. (Not recommended for aluminum)
- Easy to use 1 oz. package
- Minimum order 10

Part Number		Price per ea.	L/50
29-1160-00	Coffee Urn Cleaner	.40	.35

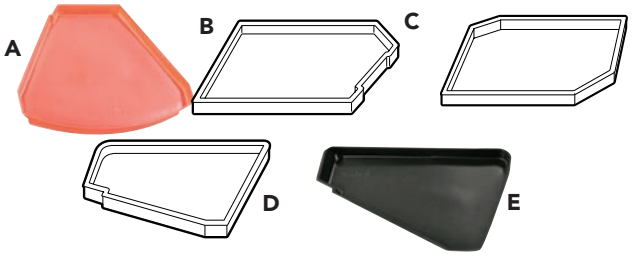
SHELF LINERS

ROWE 447 SHELF LINERS



Part Number		Key	Color	Price per ea.	L/1000
H447CLRR	Can & Fruit Holder	A	Red	.27	.24
H447CLWR	Can & Fruit Holder	A	White	.27	.24
H447CLBR	Can & Fruit Holder	A	Blue	.27	.24
H447PLRR	Pocket Liner	B	Red	.27	.24
H447PLWR	Pocket Liner	B	White	.27	.24

ROWE 448 SHELF LINERS

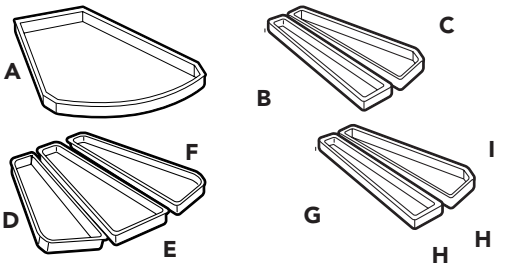


Part Number		Key	Color	Price per ea.	L/800
H448PLRR	Platter Liner	A	Red	.59	.52
H448PLWR	Platter Liner	A	White	.52	.46
H448PLBR	Platter Liner	A	Blue	.52	.47
H448PLBKR	Platter Liner	A	Black	.52	.47

Part Number		Key	Color	Price per ea.	L/700
H448TLWR	Top Liner	B	White	.31	.27
H448TLBR	Top Liner	B	Blue	.31	.27
H448BLWR	Bottom Liner	C	White	.29	.25
H448BLBR	Bottom Liner	C	Blue	.29	.25

Part Number		Key	Color	Price per ea.	L/750
H448LLRR	Left Liner	D	Red	.27	.23
H448LLWR	Left Liner	D	White	.25	.22
H448LLBR	Left Liner	D	Blue	.41	.41
H448LLBKR	Left Liner	D	Black	.21	.19
H448RLRR	Right Liner	E	Red	.27	.23
H448RLWR	Right Liner	E	White	.24	.21
H448RLBR	Right Liner	E	Blue	.32	.32
H448RLBKR	Right Liner	E	Black	.32	.32

NATIONAL SHOPPERTRON SHELF LINERS



Part Number		Key	Color	Price per ea.	L/1000
HPRN	Platter	A	Red	1.65	1.35
HPBN	Platter	A	Blue	1.65	1.35

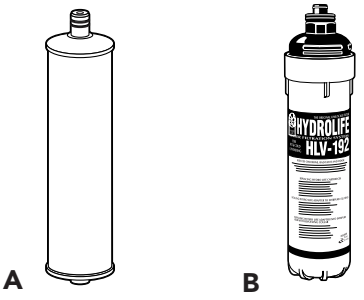
Part Number		Key	Color	Price per ea.	L/900
H1/2LRNS	Left 1/2	B	Red	.56	.44
H1/2LWNS	Left 1/2	B	White	.56	.44
H1/2LBNS	Left 1/2	B	Blue	.56	.44
H1/2LBKNS	Left 1/2	B	Black	.56	.44
H1/2RRNS	Right 1/2	C	Red	.56	.44
H1/2RWNS	Right 1/2	C	White	.56	.44
H1/2RBNS	Right 1/2	C	Blue	.56	.44
H1/2RBKNS	Right 1/2	C	Black	.56	.44

Part Number		Key	Color	Price per ea.	L/1100
H1/3LRNS	Left 1/3	D	Red	.34	.28
H1/3LWNS	Left 1/3	D	White	.34	.28
H1/3LBNS	Left 1/3	D	Blue	.34	.28
H1/3LBKNS	Left 1/3	D	Black		
H1/3RRNS	Right 1/3	F	Red	.34	.28
H1/3RWNS	Right 1/3	F	White	.34	.28
H1/3RBNS	Right 1/3	F	Blue	.34	.28
H1/3CWNS	Center 1/3	E	White	.34	.28
H1/3CBNS	Center 1/3	E	Blue	.34	.28
H1/3CBKNS	Center 1/3	E	Black	.36	.30

Part Number		Key	Color	Price per ea.	L/1600
H1/4RRNS	Right 1/4	I	Red	.24	.21

Part Number		Key	Color	Price per ea.	L/1300
H1/4CRNS	Center 1/4	H	Red	.20	.14

HYDRO LIFE WATER FILTER AND HEAD



- Hydro Life C1344 replacement water filter works on either hot or cold applications
- Removes or reduces chlorine, hydrogen sulfide, rotten egg smell, bad taste and odor
- In hot water applications, he unique media in Hydro Life water filter reduces lime and scale build up by altering the crystalline structure, taking away it's ability to cling, causing it to pass harmlessly on through the system, reducing maintenance costs
- In cold water applications, Hydro Life water filter controls bacteria growth, slime, yeast and mold
- The Hydro Life water filter media is U.S. EPA recognized as a bacteriostatic product, controlling bacteria build up in water lines. Bacteria is the cause of waterline contamination, turning black on the inside and altering the taste of the drink
- Independent lab tests have shown up to 90% lower bacteria levels using the Hydro Life water filter vs. most carbon only filters. Carbon is an organic medium, providing the environment and nutrients necessary for rapid bacteria growth
- Hydro Life water filter reduces chlorine in water by as much as 99%, based on Hydro Life's recommended schedule of changing the filter every 6 months or 2000 gallons
- The Hydro Life Adapter Kit easily fits directly into an Everpure head for equipment already in use. The Adapter Kit consists of 1 adapter head, 1 cartridge and 1 cartridge housing
- 6 cartridges per case

Key	Part Number		Price per ea.
A	27-1327-00	C1344 Replacement Water Filter	28.35
B	27-1328-00	Hydro Life Adapter Kit	40.50

SCALE CLEAN BY EVERPURE

- Used in coffee urns on all types of vending machines
- All natural, biodegradable, non-toxic/corrosive & environmentally safe
- Delimes
- Safe, organic formula eliminates scale without foul fumes
- Safe on contact with skin

Part Number		Price per ea.	Full Case
29-1049-00	1.75 oz. Package, 12 per case	2.40	2.30
29-1061-00	2.2 lb. Bag, 4 per case	19.25	17.95

EVERPURE WATER FILTERS

EVERPURE 4H FILTER

- For hot water applications
- Features metering scale inhibitor feed
- Phosphate scale inhibition
- 1/2-micron precoat filter rated for chlorine taste and odor, particulate, asbestos and cyst reduction
- NSF submicron turbidity reduction
- Capacity: 1,500 gallons
- Packed 6 per case

Part Number		Price per ea.
27-1010-00	Everpure 4H Filter	34.20

EVERPURE 4C FILTER

- For cold water applications
- 1/2-micron precoat filter rated for chlorine taste and odor, particulate, asbestos and cyst reduction
- NSF submicron turbidity reduction
- Capacity: 3,000 gallons
- Packed 6 per case

Part Number		Price per ea.
27-1011-00	Everpure 4C Filter	27.40

EVERPURE OCS FILTER

- 1/2-micron precoat filter rated for chlorine taste and odor, particulate, asbestos and cyst reduction
- NSF submicron turbidity reduction
- Phosphate scale inhibition
- Features metering scale inhibitor feed
- With scale inhibitor
- Capacity: 1,500 gallons
- Packed 6 per case

Part Number		Price per ea.
27-1042-00	Everpure OCS Filter	24.30

EVERPURE 4K-PLUS FILTER

- For hot water applications
- 5-micron precoat filter containing KDF® media
- Provide all the benefits of precoat filters while reducing slime and excessive scale problems
- Capacity: 3,000 gallons
- Packed 6 per case

Part Number		Price per ea.
27-1289-00	Everpure 4K-Plus Filter	36.14

CUNO WATER FILTERS

CUNO CS-14 WATER FILTER

- For OCS/Vending hot cup applications
- Retrofit cartridge for competitive systems
- Does not require activation
- 1-micron sediment reduction
- Chlorine taste and odor
- Scale inhibition
- Capacity: 2,500 gallons or 333 cups per day
- Packed 12 per case

Part Number		Price per ea.
27-0150-00	Cuno CS-14 Water Filter	26.68

CUNO CS-24 WATER FILTER

- For OCS/Vending hot cup applications
- Retrofit cartridge for competitive systems
- Does not require activation
- 0.5-micron sediment reduction
- Chlorine taste and odor
- Scale inhibition
- Cyst reduction
- Capacity: 2,000 gallons or 266 cups per day
- Packed 12 per case

Part Number		Price per ea.
27-0149-00	Cuno CS-24 Water Filter	27.61

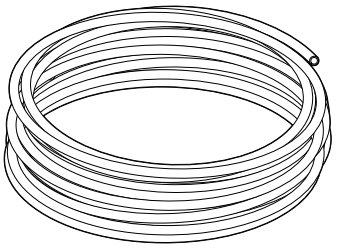
CUNO CS-451 WATER FILTER

- For OCS/Vending in-line and low volume hot cup applications
- Sanitary quick change system
- 5-micron sediment reduction
- Chlorine taste and odor
- Scale inhibition
- Capacity: 1,500 gallons or 200 cups per day
- Packed 12 per case

Part Number		Price per ea.
27-0146-00	Cuno CS-451 Water Filter	33.33
27-0145-00	Cuno CS-51 Replacement Cartridge only	14.55

PVC TUBING

- Food grade PVC tubing
- Excellent chemical resistance to a variety of substances
- Glass clear material allows quick inspection of flow
- Very flexible
- FDA sanctioned
- Minimum order 100 feet
- Comes in rolls of 100 feet



I.D.	O.D.	Part Number	L/100	L/500
1/4"	7/16"	27-1084-00	.34	.31
5/16"	1/2"	27-1086-00	.45	.43
3/8"	9/16"	27-1085-00	.33	.31

QUANTUM POINT OF USE WATER COOLERS

NEW

The Next Generation in Point-Of-Use Coolers Is Here.....

- No more storing bottles
- No lifting heavy bottles
- No running out of water
- No waiting for deliveries
- No monthly bottle deposits
- No increase in cost if consumption goes up
- Guaranteed quality of water – NSF Certified

Quantum Features

- Attractive European modern design
- Available in "Hot & Cold" and "Cool & Cold"
- Extra large 2 liter "cold" and 1 liter "cool" water tank capacity
- Conversion from bottled water coolers takes minutes and can be done right on location
- Quick and easy to install – John Guest speed-fit fittings – no tools required
- Easy to service – filters are at the front of cooler, at arms height
- Built in shut off valves
- Double float assembly ensures continuous performance, no downtime
- 33% more capacity than traditional coolers
- All parts are dishwasher safe
- Removable reservoir makes sanitizing quick and easy
- Quick quarter turn spigot removal
- Easy filter cartridge change, simply lift off the cover, twist out the cartridge and snap in a new one, just like changing a light bulb
- One universal cup dispenser, which loads from the top or the bottom
- Made in Canada

The Quantum 1000 System is NSF certified to reduce or remove the following contaminants:

Lead and Chlorine 95 – 99%
Entamoeba Histolytica Cysts 99+%
Mold and Algae 95 – 99%
Oxidized Iron, Manganese & Sulfides 99+%
Temperature: Cold water only, max. 100 F (38C)
Capacity: 750 US gallons Flow rate:
Controlled to 0.5 gpm
Bad Tastes and Odors 95 – 99%
Dirt, Rust and Cloudiness 99+%
Cryptosporidium Parvum Cyst 99+%
Asbestos Fibres 99+%
All particle down to 1/2 micron 99.9%
Pressure: 10 to 125 psi

Cooler Specifications:

Diameter: 12-5/16"
Total Height: 58-1/4"
Weight – Cool & Cold: 35.1 lbs.
Weight – Cold & Hot: 38 lbs.
5 year warranty on sealed refrigeration, water filtration system, dual float system and filter tree

Part Number		Price per ea.	L/3
PW	Quantum White Cool & Cold Water Cooler	360.00	345.00
PS	Quantum Silver Cool & Cold Water Cooler	360.00	345.00
PC	Quantum Charcoal Cool & Cold Water Cooler	360.00	345.00
PWHOT	Quantum White Hot & Cold Water Cooler	399.00	385.00
PSHOT	Quantum Silver Hot & Cold Water Cooler	399.00	385.00
PCHOT	Quantum Charcoal Hot & Cold Water Cooler	399.00	385.00
Q1000	Quantum 1000 Replacement Filter Cartridge	34.95	31.95

VINYL

Bison Black
49-0572-00

Slate
27-1049-00

Black Pica
49-0474-00 • 49-0474-10

Sterling Royce
49-0479-00

- Refurbish your old machines to look like new
- Heavy duty vinyl with easy to peel, pressure sensitive backing
- Resists fading, scratching & chemicals
- Exact match to original equipment vinyl
- Ideal for refurbishing, rebuilding of old machines or matching old vending banks with newer updated equipment
- Sold per foot

Part Number	Color	Material Width	Roll Length	Price per foot 1-149 ft.	150 ft. (full rolls)
49-0572-00	Bison Black Vinyl	40"	150′	4.95	4.15
49-0535-00	Black Hide Vinyl (Not Shown)	40"	150′	5.25	4.45
49-0474-00	Black Pica Vinyl	40"	150′	5.25	4.45
49-0474-10	Black Pica Vinyl	49"	100′	5.25	4.45
27-1049-00	Slate Vinyl	40"	150′	5.25	4.45
49-0479-00	Sterling Royce Vinyl	40"	150′	7.15	5.75

GENESIS PANEL

- New heavy duty extra thick 11 mil vinyl
- Refurbish old or damaged machines to look like new!
- Matches Happ Controls "Black Hide Vinyl" Part Number 49-0535-00
- Pressure sensitive adhesive backing
- Size: 49" W x 36" H
- Black vinyl with silver stripes

Part Number		Size	Price per ea.
27-1157-00	Genesis Panel Overlay	49" W x 36" H	19.95

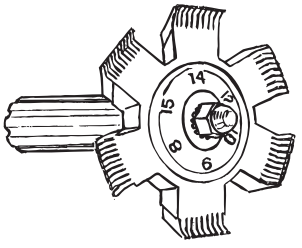
REFRIGERATION ASSEMBLIES FOR DIXIE NARCO MACHINES

Dixie-Narco®

Part Number	Description	Price per ea.
H56014140004DN	168/180/240/276/300/320/348/360/368/414/432/440	287.40
H60904350004DN	276E/489 non-Coke/501E/501T non-Coke 522T non-Coke/600E/630L/ DMV 72N/DMV 72W	299.00

6-IN-1 FIN COMB

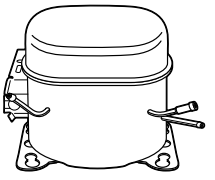
- Cleans and straightens condenser and evaporator coil fins for maximum efficiency
- Compact for confined spaces
- Handle is 3-1/2" long
- For fins having spacing of 8, 9, 10, 12, 14 and 15 fins per inch



Part Number		Price per ea.
92-1393-00	6-In-1 Fin Comb	19.25

COMPRESSORS

- Happ is now an authorized Aspera / Embraco distributor.
- We inventory a full line of 1/3 and 1/2 horsepower compressors.



Embraco

Part Number		Price per ea.
27-1377-00	Embraco 1/3 HP, Normal Torque, R12, W/O Capacitor	117.30
27-1364-00	Embraco 1/3 HP, High Torque, R12, W/ Capacitor	127.20
27-1371-00	Embraco 1/3 HP, High Torque, R134, W/ Capacitor	132.13
27-1367-00	Aspera 1/2 HP, High Torque, R12, W/ Capacitor	229.85

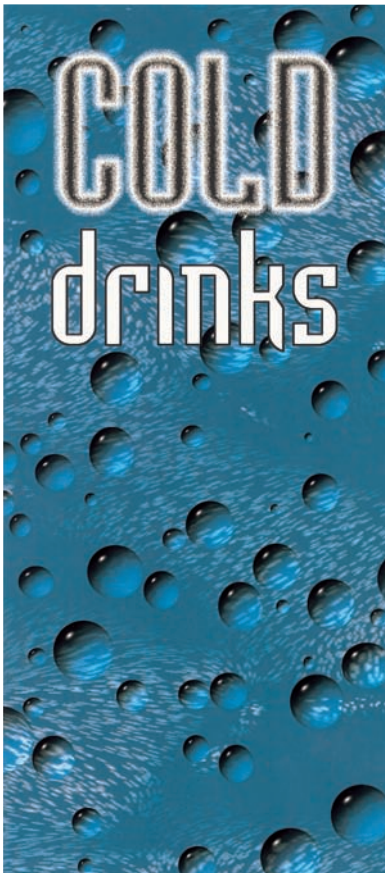
• Denotes Full Skid (36pcs)

ARTWORK FOR CUP SODA AND COFFEE MACHINES

Cup Soda with Adhesive Backing
H406R 45.75

Pedestal without Adhesive Backing
H37471RM 20.25

LEXAN REPLACEMENT SIGNS FOR COLD DRINK MACHINES



Cold Drink Replacement Signs
Master Signs– without any cuts or holes.

Bubble Design

Part Number		Price per ea.
99151026	68-1/2"H x 30-3/4"W	65.00
99151028	76-5/8"H x 40-1/8"W	90.00
99151025	76"H x 30-3/4"W	90.00

Waterfall Design

Part Number		Price per ea.
99150950	68-1/2"H x 30-3/4"W	80.00
99150952	76-5/8"H x 40-1/8"W	89.50
99150951	76"H x 30-3/4"W	68.75

Beach Design

Part Number		Price per ea.
99151018	76"H x 30-3/4"W	95.00

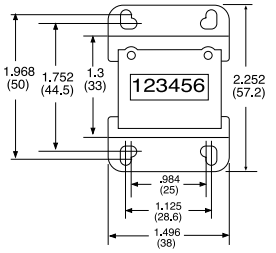
Side Decals also available, call for details.

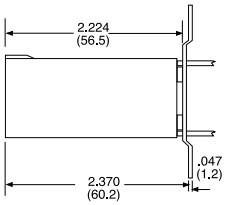
KESSLER ELLIS 6-DIGIT METER

- Electric, non-resettable counter
- 6 digit, counts to 999,999 then repeats
- 600 counts per minute
- With mounting bracket
- With or without diode
- 10" wire leads

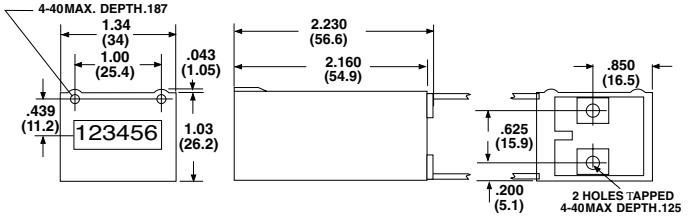
KEP

6-DIGIT METER W/BRACKET DIMENSIONS





6-DIGIT METER WITHOUT BRACKET DIMENSIONS



Part Number	Voltage	Bracket	Diode	Price per ea.	L/24
42-1168-00	4.5/6 DC	Yes	No	6.15	5.80
42-2093-00	4.5/6 DC	Yes	Yes	6.50	6.20
42-2093-01	4.5/6 DC	No	Yes	6.65	6.35
42-0614-00	12 DC	Yes	Yes	6.50	6.20
42-0092-00	12 DC	Yes	No	6.15	5.80
42-6914-00	12 DC	No	Yes	6.15	5.10
42-1317-00	24 DC	Yes	No	6.15	5.80
42-3140-00	24 AC	Yes	No	7.15	6.80
42-7032-00	24 DC	Yes	Yes	7.55	6.90
42-1396-00	48 AC	Yes	No	7.30	6.95
42-1167-00	120 AC	Yes	No	7.15	6.80
42-1169-00 (72" Leads)	120 AC	Yes	No	7.80	7.50

MOMENTARY CONTACT SWITCH

- Includes washer and nut
- SPST

Part Number		Price per ea.	L/100
95-0011-00	Momentary Contact Switch	1.30	1.20

LEG LEVELERS

- 1-1/2", 2" or 4" thread length
- Other sizes available upon request

49-1002-00

49-1002-03X

49-1002-04X

Part Number	Description	Thread	Thread Length	Load	Base Dia.	Price per ea.	L/25
49-1002-03	Leg Leveler w/o nut	3/8–16	1-1/2"	200lb.	1.75"	1.00	.93
49-1002-00	Leg Leveler w/o nut	3/8–16	2"	200lb.	1.75"	.91	.85
49-1002-02	Leg Leveler w/nut	3/8–16	2"	200lb.	1.75"	.98	.93
49-1002-035	Leg leveler w/o nut	3/8–16	2"	250lb.	2.03"	6.35	5.00
49-1002-038	Leg leveler w/o nut	1/2–13	2"	500lb.	2.40"	6.65	5.90
49-1002-041	Leg leveler, Swivel w/nut	3/8–16	2"	3750lb.	1.25"	14.85	12.40
49-0449-00	Leg leveler w/o nut	3/8-16	3"		1.75"	1.45	1.30
49-3042-00	Leg Leveler, Swivel w/nut	3/8–16	4"	3750lb.	1.25"	18.00	14.40
49-3043-00	Leg Leveler, Swivel w/nut	1/2–13	4"	3750lb.	1.25"	32.05	24.65
49-1002-042	Leg leveler, Swivel w/nut	1/2–13	2"	5000lb.	1.875"	23.00	18.05
49-1002-04	T-Nut	3/8	—	—	—	.65	.57

BLACK RUBBER LEG LEVELER CUP

- Ideal for amusement and vending equipment
- Prevents equipment from slipping or sliding
- Fits leg levelers with 1-3/4" base diameter or less
- Will not scratch floors

Part Number		Price per ea.
26-1528-00	Black Rubber Leg Leveler Cup	2.05

LEG LEVELER MOUNTING PLATE

- 3/8" thread
- Steel plated

Part Number		Price per ea.	L/12
49-1500-00	Leg Leveler Mounting Plate	3.25	2.60

LEG LEVELER MOUNTING PLATE WITH 1/2" PEM NUT

- With 1/2-13" Pem Nut for leg leveler
- 2.75" square
- 2" center mounting holes
- Mounting holes .31" diameter

Part Number		Price per ea.
49-1501-00	Leg Leveler Mounting Plate w/Pem Nut	9.00

K-SUN LABELLAB 1440KI HAND-HELD LABELING SYSTEM

NEW

- Create high quality labels quickly and easily
- Lightweight and portable for everyday use in the field, in the office and on the go
- High quality printing up to 60 point size on 1" tape
- 15 characters x 2 lines LCD display
- Intelligent thumb actuated manual cutter
- Prints standard, rotated and mirrored text and numbers
- Auto sizes, or choose from 8 sizes and 4 character widths
- Repeat printing up to 99 copies
- Includes: 6 AA alkaline batteries, adjustable neck/wrist strap, 3/8" black/white standard tape, and ?" black/white industrial tape
- Dimensions: 4.6" W x 9.3" L x 3.1" H
- Weight: 1.19 lbs.
- One-year manufacturer limited warranty and replacement service

Part Number		Price per ea.
27-0245-00	K-Sun LABELlab 1440Ki Labeling System	199.00

K-SUN LABELLAB 1640KI HANDHELD LABELING SYSTEM

NEW

- Lightweight and portable, industrial orange unit with rubber impact guards
- Ideal for outdoor plant, manufacturing, electrical or any harsh working environment
- High quality printing up to 60 point size on 1" tape
- 15 characters x 2 lines LCD display
- Intelligent thumb actuated manual cutter
- Prints standard, rotated and mirrored text and numbers
- Auto sizes, or choose from 8 sizes and 4 character widths
- Library of over 90 industrial symbols
- Includes: 6 AA alkaline batteries, adjustable neck/wrist strap, 1" black/white flexible ID tape, ?" black/white industrial tape, and deluxe carrying case
- Dimensions: 4.6" W x 9.4" L x 3.2" H
- Weight: 1.3 lbs.
- One-year manufacturer limited warranty and replacement service

Part Number		Price per ea.
27-0246-00	K-Sun LABELlab 1640Ki Labeling System	229.00

K-SUN LABELlab® Industrial Laminated Tapes

- Super strength with twice the adhesive of standard tapes
- Additional sizes and colors available upon request

Part Number		Price per ea.
27-0247-00	Replacement 1" (24mm) Tape - Black on White	25.99
27-0247-10	Replacement 1/2" (12mm) Tape - Black on White	18.99

KROY K5100 & K4100 INDUSTRIAL LABEL AND WIRE-MARKING PRINTERS

NEW

- Choose either handheld portable (K5100) or desktop (K4100) industrial versions
- On-demand identification at it's best
- Print customized labels, bar codes and graphics on-site at your desk
- Alpha/numeric sequencing, 10 resistant bar codes, rotate feature, up to 6 print lines, 6-72 point sizes at 300 dpi resolution
- Variety of print styles including bold, italic, underline and mirror
- Optional PC connectivity for customized label applications, use your PC fonts and graphics
- Includes printer, manual CD-ROM with KLDS software and drivers, serial cable, and AC adapter with power cord
- Internal battery charger (K5100 only)
- Physical dimensions: 11" L x 6" D x 4" H (K5100); 9.5" L x 8" D x 2.75" H (K4100)

27-1421-K5100

27-1421-K4100

Part Number		Price per ea.
27-1421-K5100	Kroy K5100 Label Printer	399.00
27-1421-K4100	Kroy K4100 Label Printer	299.00

Accessories for Kroy K5100 and K4100 Printers

Part Number		Price
27-1425-08	Polyester Label Cartridge, 1" x 40' Black Image on White	36.00
27-1425-09	Polyester Label Cartridge, .80" x40' Black Image on Clear	33.95
27-1425-10	Polyester Label Cartridge, .80" x40' Black Image on Yellow	32.95
27-1425-12	Polyester Label Cartridge, .50" x40' Black Image on White	32.95
27-1425-14	Cast Vinyl Label Cartridge, .50" x40' Black Image on White	32.95
27-1425-17	Polyolefin Shrink Tube Cartridge, .125" Black on White	29.95
27-1425-16	Polyolefin Shrink Tube Cartridge, .25" Black on White	32.95

Happ is your source for replacement label machine cartridges including Kroy, K-Sun, Brother and Brady. Contact a Happ sales or customer service representative for details.

ALL STATE CONDIMENT STANDS

- Heavy duty double-wall metal construction
- Stainless steel shelves
- Durable Bison Black exterior vinyl
- Attractive gray interior
- One 20 amp electrical receptacle per shelf, cabinet mounted
- Locked storage door (non-locking handle included)
- Meets all ADA standards
- Equipped with 12 ft. electrical cord
- Optional light kit and condiment tray available for some models

Happ No.	Ref. No.	Size	Shelf	Tray	Price per ea.
27-1433-00	AS271	27" W X 72" H X 23" D	Single	High	567.30
27-1434-00	AS272	27" W X 72" H X 23" D	Double	Low	615.85
27-1435-00	AS272HT	27" W X 72" H X 23" D	Double	High	596.80
27-1436-00	AS361	36" W X 72" H X 23" D	Single	Low	585.40
27-1438-00	AS491	49" W X 72" H X 23" D	Single	Low	704.50
27-1439-00	AS492	49" W X 72" H X 23" D	Double	Low	751.65
27-1440-00	AS492-4*	49" W X 72" H X 23" D	Double	Low	850.25
27-1441-00	AS492-HT	49" W X 72" H X 23" D	Double	High	751.65
27-1443-00	SSI	49" W X 45" H X 25.5" D	Single	Low	719.65
27-1444-00	Optional Light Kit (Not Available For SSI)				35.70
27-1445-00	Optional Second Condiment Tray (Only available for AS492, AS 492-HT & AS492-4) * 4 Electrical Receptacles				48.30

27-1433-00

27-1434-00

27-1435-00

27-1437-00

27-1441-00

27-1443-00

ALL STATE OFFICE COFFEE STANDS

- Heavy-duty metal construction
- Double thickness side walls for stability and strength
- Lower door equipped with lock
- Black vinyl clad steel top
- Plastic non-mar feet
- Counter top: 23.25" W x 19" D
- Base: 23.25" W x 19" D x 32" H
- Weight: 60 lbs (empty)
- OCS200 is equipped with condiment tray
- OCS400 is equipped with a plastic trash receptacle

27-1446-00
27-1447-00

Part Number	Ref. No.		Price per ea.
27-1446-00	OCS200	Office Coffee Stand With Condiment Tray (Without Lower Storage Shelf)	178.55
27-1447-00	OSC200	Office Coffee Stand With Condiment Tray (With Lower Storage Shelf)	200.75

AMANA® LD10D2 1000 WATTS COMMERCIAL MICROWAVE OVEN

SUPERIOR DURABILITY, GREAT VERSATILITY!

- Ideal for light volume sites, this dependable unit features an easy-to-use 6-minute dial timer for fast, convenient service
- The perfect replacement for home or domestic ovens in food service locations
- 1000 Watts of power for fast heating.
- Sealed-in ceramic shelf for easy cleaning.
- 6-minute dial timer is extremely easy to use.
- Full power only for the simplest operation.
- User-friendly dial is ideal for self-serve sites.
- Durable construction for years of commercial food service use.
- Nationwide service keeps any downtime to an absolute minimum.
- Limited 3-year warranty.
- See-through door and lighted interior for easy monitoring of food without opening the door.
- 1.0 cubic foot capacity easily accommodates prepackaged foods, single servings or large plates of food.

Amana
A Raytheon Company

MODEL LD10D2

UPC Code	042159062966
Configuration	Countertop
Control System	Dial
Programmable Control Pads	n/a
Total Programmable Settings	n/a
Cooking Timer	6:00,Countdown
Power Levels	1
Defrost	No
Time Entry Option	Yes
Microwave Distribution System	Rotating Antenna

Part Number		Price per ea.
27-0173-00	Amana® LD10D2 Commercial 1000 Watt Microwave Oven	259.95

AMANA® LD10MP 1000 WATTS COMMERCIAL MICROWAVE OVEN

- The perfect replacement for home or domestic ovens in food service locations
- 1000 Watts of power for fast heating
- 10 programmable menu items simplifies cooking
- 5 power levels for consistent, delicious results for fresh and frozen foods
- Stainless steel interior with dishwasher-safe turntable for easy cleaning
- Durable construction for years of commercial food service use
- Nationwide service keeps any downtime to an absolute minimum
- Sealed-in ceramic shelf for easy cleaning
- X2 multiple quantity pad calculates the proper cook times for multiple portions
- 3 stage cooking for one-touch cooking
- Braille touch pads
- Limited 3-year warranty
- 1.0 cubic foot capacity easily accommodates prepackaged foods, single servings or large plates of food
- See-through door and lighted interior for easy monitoring of food without opening the door

LD10MP

Amana
A Raytheon Company

MODEL LD10MP

UPC Code	**719881111889**
Configuration	Countertop
Control System	Touch
Programmable Control Pads	10
Total Programmable Settings	10
Cooking Timer	60:00,Countdown
Power Levels	5
Defrost	Yes
Time Entry Option	Yes
Microwave Distribution System	Rotating Antenna
Magnetron(s)	1
Display	VFD
Stackable	No
Stage Cooking	3 stages
Interior Light	Yes
Door Opening System	Push Button
Signal	End of cycle
Removable Filter	No
Automatic Voltage Sensor	No
Multiple Quantity Setting	Yes, X2
Warranty	Limited 3-Year

Electrical Characteristics

Power Consumption	1500 W,13.3 A
Power Output	1000 W*
Power Source	120 V,60 Hz, 15 A single phase
Plug Configuration	NEMA 5-15
Frequency	2450 MHz
Power Cord Length	5' (1.5 m)

	Exterior Cabinet	Usable Dimensions	Interior Dimensions
Height		12-3/8" (359 mm)	8-3/4" (222 mm)
Width		20-7/8" (530 mm)	13-3/4" (348 mm)
Depth (overall with handle)		15-1/2" (394 mm)	14-5/8" (373 mm)
Depth (door open 90°)		31-1/4" (794 mm)	
Usable Cavity Space		1.0 cubic ft.(28 L)	
Outercase Finish		Painted	
Cavity Interior Finish		Painted	

Weight/Shipping Information

Net Weight	36 lbs.(16 kg)
Approximate Shipping	39 lbs.(18 kg)
UPS Shippable	Yes
Shipping Box Size	17-7/8" L x 24-3/8" W x 15" H (454 mm x 619 mm x 381 mm)

Part Number		Price per ea.
27-0174-00	Amana® LD10MP Commercial 1000 Watt Microwave Oven	362.45

AMANA® RCS10D COMMERCIAL MICROWAVE OVEN

Performance You Can Count On!

- Ideal for medium volume sites
- 1000 Watts of power for fast heating
- 1.2 cubic foot capacity easily accommodates prepackaged foods, single servings or large platters
- 6-minute dial timer and handy menu guide is extremely easy to use
- See-through door and lighted interior for easy monitoring of food without opening the door
- Full power only for the simplest operation
- User-friendly dial is ideal for self-serve sites
- Durable construction for years of commercial food service use
- Nationwide service network provides ongoing product support
- Limited 3-year warranty

Specifications:

Model RCS10D

UPC Code	**042159050673**
Configuration	Countertop
Control System	Dial
Programmable Control Pads	n/a
Total Programmable Settings	n/a
Cooking Timer	6:00,Countdown
Power Levels	1
Defrost	No
Time Entry Option	No
Microwave Distribution System	Rotating Antenna
Magnetron(s)	1
Display	n/a
Stackable	No
Stage Cooking	1 stage
Interior Light	Yes
Door Opening System	Lift and Pull Handle
Signal	End of cycle
Removable Filter	No
Automatic Voltage Sensor	No
Multiple Quantity Setting	No
Warranty	Limited 3-Year

Cabinet	Exterior Dimensions	Usable Interior Dimensions
Height	14-1/4" (362 mm)	9-1/2" (241 mm)
Width	21-3/4" (552 mm)	13-1/2" (343 mm)
Depth (overall with handle)	19-3/4" (501 mm)	15-3/4" (400 mm)
Depth (door open 90°)	34" (864 mm)	
Usable Cavity Space	1.2 cubic ft.(34 L)	
Outer Case Finish	Painted	
Cavity Interior Finish	Painted with Sealed-In Ceramic Shelf	

Electrical Characteristics	
Power Consumption	1700 W,13.8 A
Power Output	1000 W*
Power Source	120 V,60 Hz, 15 A single phase
Plug Configuration	NEMA 5-15
Frequency	2450 MHz
Power Cord Length	5' (1.5 m)

Weight/Shipping Information	
Net Weight	50 lbs.(23 kg)
Approximate Shipping	56 lbs.(25 kg)
UPS Shippable	Yes
Shipping Box Size	22" L x 25-3/8" W x 17-5/8" H (559 mm x 645 mm x 449 mm)

Part Number		Price per ea.
27-0135-00	Amana® RCS10D Commercial 1000 Watt Microwave Oven	304.65

THE AMANA® RCS10MP MICROWAVE OVEN

- Built to withstand medium-volume food service environments
- Durable construction and unsurpassed quality provide years of reliable food service use
- 1000 Watts of power for fast heating
- Up to 10 programmable menu items simplifies cooking and ensures consistent results.
- 5 power levels for consistent, delicious results for frozen and fresh foods
- Food can go from freezer to table in minutes
- User-friendly controls are easy to use making it ideal for self-serve sites
- Time entry option for added flexibility
- Digital display with countdown timer for simple operation and easy at-a-glance monitoring
- See-through door and lighted interior for easy monitoring of food without opening the door
- Durable construction for years of commercial food service use
- Nationwide service network provides ongoing product support
- Limited 3-year warranty
- 1.2 cubic foot capacity easily accommodates prepackaged foods, single servings or large platters

MODEL RCS10MP

UPC Code	042159050697
Configuration	Countertop
Control System	Touch
Programmable Control Pads	10
Total Programmable Settings	10
Cooking Timer	60:00,Countdown
Power Levels	5
Defrost	Yes
Time Entry Option	Yes
Microwave Distribution System	Rotating Antenna
Magnetron(s)	1
Display	VFD
Stackable	No
Stage Cooking	1 stage
Interior Light	Yes
Door Opening System	Lift and Pull Handle
Signal	Adjustable end of cycle
Removable Filter	No
Automatic Voltage Sensor	No
Multiple Quantity Setting	No
Warranty	Limited 3-Year

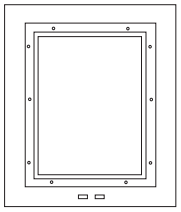
Cabinet	Exterior Dimensions	Usable Interior Dimensions
Height	14-1/4" (362 mm)	9-1/2" (241 mm)
Width	21-3/4" (552 mm)	13-1/2" (343 mm)
Depth (overall with handle)	19-3/4" (501 mm)	15-3/4" (400 mm)
Depth (door open 90°)	34" (864 mm)	
Usable Cavity Space	1.2 cubic ft.(34 L)	
Outercase Finish	Painted	
Cavity Interior Finish	Painted with Sealed-in Ceramic Shelf	

Electrical Characteristics	
Power Consumption	1700 W,13.8 A
Power Output	1000 W*
Power Source	120 V,60 Hz, 15 A single phase
Plug Configuration	NEMA 5-15
Frequency	2450 MHz
Power Cord Length	5' (1.5 m)

Weight/Shipping Information	
Net Weight	50 lbs.(23 kg)
Approximate Shipping	56 lbs.(25 kg)
UPS Shippable	Yes
Shipping Box Size	22" L x 25-3/8" W x 17-5/8" H (559 mm x 645 mm x 449 mm)

Part Number		Price per ea.
27-0138-00	The Amana® RCS10MP 1000 Watt Microwave Oven	451.75

REPLACEMENT PARTS FOR AMANA MICROWAVE OVENS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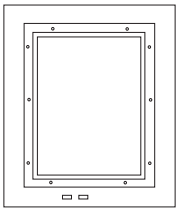
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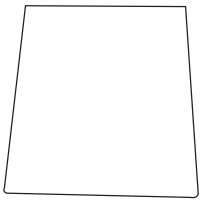
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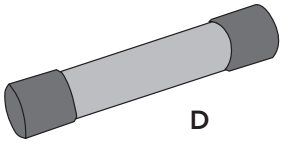
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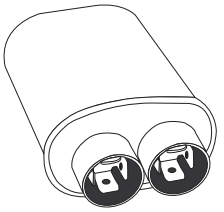
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Key	Part Number	Description	Amana Ref. #	Price per ea.
A	H12002103	Inner Door Liner for RFS9LW	P1300201M	62.95
B	HD7683508	D7683505 Inner Door Liner	D7683505	24.95
C	HC8936902	Glass Tray for LD10	C8936902	59.95
D	HM0805101	20 Amp Fuse	M0805101	2.15
E	HC8943002Q	Antenna Assembly	C8943002Q	7.50
F	HD8547928	.74uf 2100 VAC Capacitor	D8547928	23.00
G	4002006801	Interlock Switch Module	-	36.95
_	D7683505	Inner Door Aman	-	21.41
_	HD7685505	Cradle Antenna - Amana	-	3.95
_	R0150122	Latch Assembly for Amana	-	34.14
_	R0163215	Interlock Switch, Amana	-	159.33

Amana
A Raytheon Company

HAPP SELLS BRAND NAME QUALITY

JOHN GUEST SUPER SPEEDFIT® PUSH-IN FITTINGS

- Designed for use in Office Coffee Service, Beverage Dispensing and Vending Machine applications
- Quick-connect fittings provide instant, secure, leak-proof fluid connections
- Just push tube in fitting and your done
- No ferrule nuts to tighten to an exact position or torque
- Maintenance is a snap
- Reusable – can be used over and over without affecting performance
- Installation times can be cut by as much as 40%
- FDA approved materials
- Manufactured in gray acetal copolymer with food grade nitrile 'o' ring
- Sold and priced in bags of 10

Male Connector

Part Number	Tube OD	Thread NPTF	Price per bag.
43-1418-00	1/4	1/4	12.00
43-1419-00	1/4	3/8	17.48
43-1420-00	3/8	1/4	15.75
43-1421-00	3/8	3/8	20.64

Flare Male Connector

Part Number	Tube OD	Thread MFL	Price per bag
43-1460-00	1/4	1/4	13.20
43-1461-00	3/8	3/8	24.32

Union Tee

Part Number	Tube OD	Price per bag.
43-1422-00	1/4	23.68
43-1423-00	3/8	29.20

Union Elbow

Part Number	Tube OD	Price per bag.
43-1424-00	1/4	18.76
43-1425-00	3/8	27.84
43-1466-00	1/2	33.12

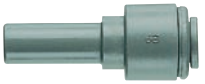
Union Connector

Part Number	Tube OD	Price per bag
43-1426-00	1/4	16.24
43-1427-00	3/8	22.00

Stem Adaptor

Part Number	Stem OD	Thread NPTF	Price per bag
43-1456-00	3/8	1/4	5.95
43-1457-00	3/8	3/8	7.35

Reducer



Part Number	Stem OD	Tube OD	Price per bag
43-1428-00	3/8	1/4	17.92

Check Valve

Part Number	Tube OD	Price per bag
43-1447-00	1/4	7.95
43-1446-00	3/8	9.37

Brass Fitting

Part Number	Stem OD	Tube OD	Price per bag
43-1458-00	1/4	1/4	47.32

Tube Cutter

Part Number		Price per bag
43-1356-00	John Guest Tube Cutter	6.71
43-1356-01	Replacement Blade	2.70

Plug

Part Number	Stem OD	Price per bag
43-1430-00	3/8	7.44

Reducing Union

Part Number	Tube OD	Tube OD	Price per bag
43-1431-00	3/8	1/4	22.16

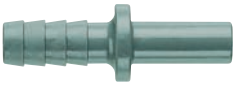
Reducing Elbow

Part Number	Tube OD	Tube OD	Price per bag
43-1465-00	3/8	1/4	30.80

Plug In Elbow

Part Number	Stem OD	Tube OD	Price per bag
43-1432-00	1/4	1/4	17.72
43-1433-00	3/8	1/4	22.40
43-1434-00	3/8	3/8	28.40

Tube To Hose Stem



Part Number	Stem OD	Hose ID	Price per bag
43-1435-00	1/4	1/4	10.40

John Guest continued . . .

Reducing Tee

Part Number	Tube OD	Tube OD Branch	Price per bag.
43-1436-00	3/8	1/4	37.68

Faucet Connector

Part Number	Tube OD	Thread UNS	Price per bag
43-1416-00	1/4	7/16-24	20.80
43-1417-00	3/8	7/16-24	23.20

Female Flare Connector

Part Number	Tube OD	Thread FFL	Price per bag
43-1437-00	3/8	1/4	46.24
43-1438-00	3/8	3/8	49.60

End Stop

Part Number	Tube OD	Price per bag
43-1440-00	3/8	12.88

Fixed Elbow

Part Number	Tube OD	Thread NPTF	Price per bag
43-1441-00	1/4	1/4	15.35

Flow Bend Clip

Part Number	Tube OD	Price per bag
43-1448-00	3/8	9.70

Locking Clip

Part Number	Tube OD	Price per bag
43-1442-00	1/4	1.44
43-1443-00	3/8	14.40

Swivel Elbow

Part Number	Tube OD	Thread BSPT	Price per bag
43-2101-00	1/4	1/4	24.95

JOHN GUEST SHUT-OFF VALVES

- White polypropylene material with food grade EPDM 'O" rings for use with potable water
- Not to be used with compressed air, explosive gasses, petroleum spirits or other fuels

Speedfit To Male NPTF

Part Number	Tube OD	Thread NPTF	Price per ea.
43-1449-00	1/4	1/4	4.34

Speedfit to Female NPTF Elbow

Part Number	Tube OD	Thread NPTF	Price per ea.
43-1453-00	1/4	1/4	4.45

Speedfit to Speedfit

Part Number	Tube OD	Price per ea.
43-1451-00	1/4	4.94
43-1452-00	3/8	4.67

CAVALIER/DIXIE NARCO/ROYAL/VENDO/NATIONAL

PRICE LABELS
1-1/4" x 1-5/8" - White on Grey

Part Number	Label	Price per ea.	L/25
27-1092-00	.50	.46	.33
27-1093-00	.55	.46	.33
27-1094-00	.60	.46	.33
27-1095-00	.65	.46	.33
27-1096-00	.70	.46	.33
27-1097-00	.75	.46	.33
27-1098-00	.80	.46	.33
27-1100-00	.90	.46	.33
27-1101-00	.95	.46	.33
27-1102-00	1.00	.46	.33
27-1103-00	1.25	.46	.33
27-1104-00	1.50	.46	.33
27-1105-00	1.75	.46	.33
27-1106-00	2.00	.46	.33

ITEM TABS (ITEM A1 - ITEM G5)
For Glassfront machines
H1450005N
4.10

PRICE INSERTS
2-1/4" x 2-1/4" - Black on Silver

Part Number	Label	Price per ea.
27-1120-00	.70	.50

PRICE INSERTS
For Glassfront machines

Part Number	Label	Price per ea.
H14500281N	.50/.55	3.70
H14500282N	.60/.65	3.70
H14500283N	.70/.75	3.70
H14500284N	.80/.85	3.70
H14500286N	1.00/1.05	3.70
H14500288N	1.20/1.25	3.70
H14500289N	1.30/1.35	3.70
H145002810N	1.40/1.45	3.70

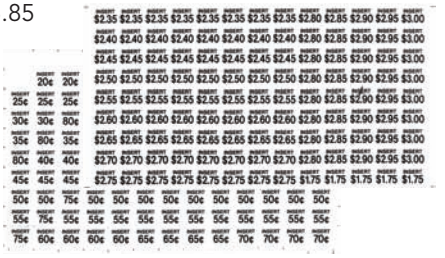
WARNING LABEL
H80384364001DN
2.35

WARNING
Vending machine design prevents dispensing free product or coins.
NEVER ROCK OR TILT: Machine can fall over causing serious injury or death.

DIXIE NARCO INSTRUCTION DECAL
H80381314011DN
.63

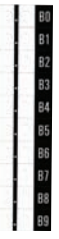
INSTRUCTIONS
1. INSERT COINS IN ABOVE SLOT
2. PUSH BUTTON FOR SELECTION.
3. WHEN RED LIGHT IS VISIBLE IN SELECT BUTTON OR IF PRODUCT WAS NOT DELIVERED, PLEASE MAKE ANOTHER SELECTION.

PRICE INSERTS
For 4900 Snack
27-1576-00
5.85

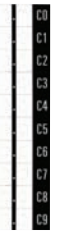


PRODUCT LABEL SHEET
A0-A9
For 474 Refreshment Center/147 Snack Center
Old Ref # 147-7076
H1577009N
2.85

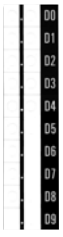
PRODUCT LABEL SHEET
B0-B9
For 474 Refreshment Center/147 Snack Center
Old Ref # 147-7077
H1577010N
2.85



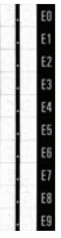
PRODUCT LABEL SHEET
C0-C9
For 474 Refreshment Center/ 147 Snack Center
Old Ref # 147-7078
H1577011N
2.85



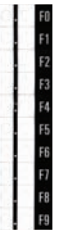
PRODUCT LABEL SHEET
D0 – D9
For 474 Refreshment Center / 147 Snack Center
H1577012N
2.85



PRODUCT LABEL SHEET
E0 – E9
For 474 Refreshment Center /147 Snack Center
H1577013N
2.95



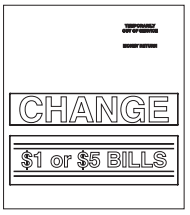
PRODUCT LABEL SHEET
F0 – F9
For 474 Refreshment Center /147 Snack Center
H1577014N
2.95



ROWE

OVERLAYS FOR ROWE BILL CHANGERS

A

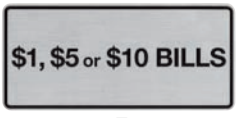


B

C

D

E



F

G

H

Key	Part Number	Description	Price per ea.
A	H1715R	BC11/12 $1 & $5 Overlay, Black	19.55
B	H170R	BC11/12 $1 & $5 White On Clear Overlay	12.95
C	H167R	BC12 $1 & $5 Instruction Decal	21.00
D	H35074331R	BC35 Change Decal	11.75
E	27-1324-00	BC1200 "Tokens" Decal	11.75
F	27-1325-00	BC1200 $1, $5 or $10 Bill Overlay	16.50
G	27-1326-00	BC1200 "Tokens" Overlay	28.80
H	H35074329R	$1 & $5 Change Decal	15.55
-	49-0474-00	Black Pica Vinyl, Sold Per Foot (For use with A&E overlays)	5.25

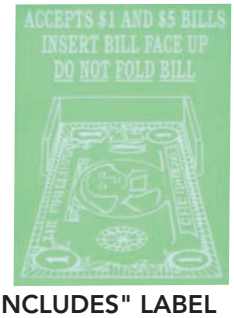
COMMON LABELS

"VALIDATOR OUT OF ORDER " LABEL
Size: 1-1/4" x 4", Sold in rolls of 500
27-1222-00
32.10

"REPAIR IN PROGRESS " LABEL
- Red Lettering on White Background
- Size: 1.25" X 4"
- Adhesive backed
- Sold in rolls of 500

27-1218-001
32.10

BILL VALIDATOR LABEL
Size 3-1/4" x 4-1/4"
42-7191-00
3.45



"PRICE INCLUDES" LABEL
1-1/4" x 2"
49-0644-00
.41 ea., .33 L/50

"OUT OF ORDER" LABEL
Size: 1-1/2" x 4", Sold in rolls of 500

27-1225-00	32.35	Black Label
27-1218-00	32.35	Red Label

"FOR SERVICE CALL" LABEL
3" x 4-5/8", Red on White, Customized
49-0643-XXX
2.10 L/250

PRESSURE SENSITIVE PRICE LABELS
9/16" x 7/8", Black on White,
500 per roll, sold each

Part Number		L/10	L/50
27-1283-00	50 cents	.28	.23
27-1284-00	55 cents	.28	.23
27-1285-00	60 cents	.28	.23
27-1286-00	65 cents	.28	.23
27-1287-00	70 cents	.28	.23
27-1288-00	75 cents	.30	.25

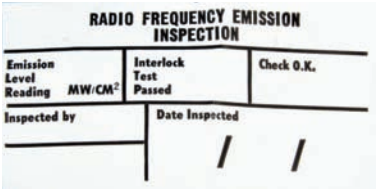
PRESSURE SENSITIVE LABELS
1-3/4" x 3-1/2" , Black on Silver

Part Number		L/10	L/50
49-0645-00	50 cents	.65	.52
49-0647-00	60 cents	.65	.52

PRESSURE SENSITIVE PRICE LABELS
1" x 1-1/2", Black on Silver

Part Number		L/10	L/50
27-1115-00	25 cents	.25	.23
27-1114-00	50 cents	.25	.23
27-1113-00	75 cents	.25	.23
27-1117-00	1 dollar	.25	.23

MICROWAVE INSPECTION LABEL
Pressure Sensative, Black on White
1-1/2 " x 3", Minimum Order 10
27-1246-00
.29 L/10, .26 L/100

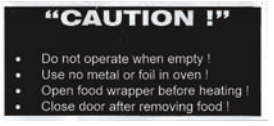


"NO REFUND" LABEL
3" x 4-5/8", Red on White
49-0656-00
.85 ea., .70 L/100

"WARNING" LABEL
2-1/2" x 4-5/8", Black on Silver
42-7016-00
.75 ea., .70 L/100

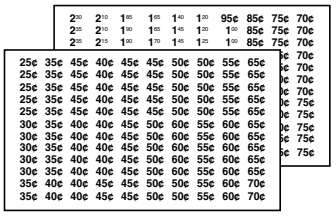
"OUT OF ORDER" LABEL
1-1/2" x 2"
42-7017-00
.33 ea., .28 L/100

"CAUTION" LABEL,
2" x 4-1/2"
27-1082-00
1.45 ea., 1.30 L/25


"CAUTION !"
Do not operate when empty !
Use no metal or foil in oven !
Open food wrapper before heating !
Close door after removing food !

AUTOMATIC PRODUCTS

PRICE TABS - .25 - $2.50
For 111/112/113, LCM1–4, 6000, 7000, "C" series Snackshop machines
H460347AP
5.20



ITEM TAB
For A.P. 111/112/112/4000/5000/6000/7000
H460346AP
3.95

PRICE TABS
For Snackshop 4000 - 7000 series machines

Part Number	Price Tabs	Price per ea.
H4603472AP	.40/.45	3.10
H4603473AP	.50/.55	3.10
H4603474AP	.60/.65	3.10
H4603475AP	.70/.75	3.10
H4603476AP	.80/.85	3.10
H4603477AP	.90/.95	3.10
H4603478AP	1.00/1.05	3.10
H4603479AP	1.10/1.15	3.10
H46034710AP	1.20/1.25	3.10
H46034711AP	1.30/1.35	3.10
H46034713AP	1.50/1.55	3.10

HAPP®
is an authorized
COOP BVA INC.
SUPPLIER

HAPP

order form

515

106 Garlisch Drive • Elk Grove, IL 60007
www.happ.com

Toll Free Phone: 888-BUY-HAPP (289-4277) Toll Free Fax: 800-593-HAPP (4277)
Phone: 847-593-6130 Fax: 847-593-6137

OFFICE USE ONLY: SOURCE CODE: _____ REP NO. _____ ☐ P.P. ☐ COL. MISC. _____
ORDER NUMBER _____ S.D. _____ I.H.D. _____

BILL TO: _____ DATE: _____

_____ _____
YOUR P.O. NO.

SHIP TO: _____ Terms: _____
F.O.B. Shipping Point

SALES TAX NUMBER
Include copy of Tax Certificate

HAPP CUSTOMER NUMBER ☐☐☐☐☐☐ Phone No. ( ) _____ FAX No. ( ) _____

SHIP VIA: **U.P.S.** ☐ RED ☐ BLUE OTHER: _____ ☐ GROUND ☐ 3-Day Select TRUCK: _____

For Explanation - See Below
HO ☐ Hold and Ship Complete
OK ☐ OK to Backorder
BC ☐ OK to Backorder, but ship complete

LINE	QUANTITY	PART NUMBER	DESCRIPTION	UNIT PRICE	AMOUNT
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					

MEMO:

Sub-Total		
State Sales Tax where applicable*		
Shipping Charges		
TOTAL		

NOTE: All orders are subject to Corporate Office approval. **Return of goods must be authorized.** Prices are subject to change without prior notice. *Tax applicable in AL, AZ, CA, CO, DE, FL, GA, IA, IL, IN, KS, KY, LA, MD, MI, MN, MS, NC, ND, NH, NJ, NM, NV, NY, OH, OK, PA, SC, SD, TN, TX, VA, WA, WI,WY. Credit cards only.

☐ VISA ☐ MasterCard ☐ American Express Cards Exp. Date ☐☐ ☐☐ ☐☐☐

☐☐☐☐ ☐☐☐☐ ☐☐☐☐ ☐☐☐☐

THANK YOU FOR YOUR ORDER.

X _____

CARD HOLDER SIGNATURE / ORDER AUTHORIZED BY

If you do not have an account with HAPP, please request a Credit Application. Credit card orders must have cardholders signature. Thank you for your cooperation!

HOLD AND SHIP COMPLETE - Hold the order until it can be shipped complete.
NO INSTRUCTIONS, or OK TO BACKORDER - Ship what we have, backorder the remainder.
OK TO BACKORDER, BUT SHIP COMPLETE - Ship what we have, ship backordered items together.

HAPP

106 GARLISCH DRIVE • ELK GROVE, IL 60007 • PHONE: 847-593-6130 • CREDIT DEPT. FAX: 847-952-5931

If you do not have an account with HAPP and a NET 30 OPEN ACCOUNT is desired, complete this credit application and submit for our processing along with your order. Or fax directly to our Credit Department at 847-952-5931.

REQUEST FOR NET 30 OPEN ACCOUNT

DATE:_____

☐ NEW CUSTOMER ☐ PRESENT CUSTOMER CUSTOMER NO. _____

Tax Exempt? ☐ YES ☐ NO SALES EXEMPTION CERTIFICATE _____

(Please fax or send a copy of your Tax Certificate for our files

BILL TO (Attention)

NAME: _____

ADDRESS: _____

_____

_____

PHONE: ( ) _____ (Area)

FAX: ( ) _____ (Area)

E-MAIL ADDRESS _____

F.E.I.N. or SOCIAL SECURITY NO. _____

BANK NAME: _____

ADDRESS: _____ CITY _____ STATE _____ ZIP _____

(Exact address or closest intersecting street)

SHIP TO (Attention)

NAME: _____

ADDRESS: _____

_____

_____

A/P Contact Name: _____

E-MAIL: _____

PHONE: _____ Ext. _____

FAX: _____

If you would like a Monthly Statement please indicate method:

☐ **Email** ☐ **Fax** ☐ **Mail**

NAME OF BANK OFFICER TO CONTACT: _____ PHONE: ( ) _____ (Area)

CUSTOMER PERMISSION FOR BANK TO GIVE REFERENCES TO HAPP CONTROLS:

SIGNED: _____

TITLE: _____

BANK FAX NO.: _____

BUSINESS CHECKING ACCOUNT NUMBER _____

HOW LONG IN BUSINESS? _____

NUMBER OF EMPLOYEES _____

☐ CORPORATION ☐ PARTNERSHIP ☐ PROPRIETORSHIP ☐ OTHER, EXPLAIN _____

NAME OF OFFICER, PARTNER, OR OWNER: _____ D&B _____

TRADE REFERENCES (U.S. ONLY)

COMPANY NAME: _____ ADDRESS: _____ (INCLUDE CITY & STATE)

ACC NO. _____ FAX: _____ PHONE: _____

COMPANY NAME: _____ ADDRESS: _____ (INCLUDE CITY & STATE)

ACC NO. _____ FAX: _____ PHONE: _____

COMPANY NAME: _____ ADDRESS: _____ (INCLUDE CITY & STATE)

ACC NO. _____ FAX: _____ PHONE: _____

COMPANY NAME: _____ ADDRESS: _____ (INCLUDE CITY & STATE)

ACC NO. _____ FAX: _____ PHONE: _____

YOUR NAME (Please Print) _____

YOUR SIGNATURE _____ TITLE: _____ DATE _____

Please allow 2 weeks for processing of Credit Application.

APPROVED NET 30 YES ☐ NO ☐ OFFICE USE ONLY

DATE: _____ CREDIT MANAGER: _____

106 Garlisch Drive • Elk Grove, IL 60007
www.happ.com
Toll Free Phone: 888-BUY-HAPP (289-4277) Toll Free Fax: 800-593-HAPP (4277)
Phone: 847-593-6130 Fax: 847-593-6137

OFFICE USE ONLY: SOURCE CODE: _____ REP NO. _____ ☐ P.P. ☐ COL. MISC. _____
ORDER NUMBER _____ S.D. _____ I.H.D. _____

BILL TO: _____ DATE: _____

_____ _____
YOUR P.O. NO.

SHIP TO: _____ Terms: _____

_____ F.O.B. Shipping Point

SALES TAX NUMBER
Include copy of Tax Certificate

HAPP CUSTOMER NUMBER ☐☐☐☐☐☐ Phone No. ( ) _____ FAX No. ( ) _____

SHIP VIA: **U.P.S.** ☐ RED ☐ BLUE OTHER: _____ ☐ GROUND ☐ 3-Day Select TRUCK: _____

For Explanation - See Below
HO ☐ Hold and Ship Complete
OK ☐ OK to Backorder
BC ☐ OK to Backorder, but ship complete

LINE	QUANTITY	PART NUMBER	DESCRIPTION	UNIT PRICE	AMOUNT
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					

MEMO:

Sub-Total		
State Sales Tax where applicable*		
Shipping Charges		
TOTAL		

NOTE: All orders are subject to Corporate Office approval. **Return of goods must be authorized.** Prices are subject to change without prior notice. *Tax applicable in AL, AZ, CA, CO, DE, FL, GA, IA, IL, IN, KS, KY, LA, MD, MI, MN, MS, NC, ND, NH, NJ, NM, NV, NY, OH, OK, PA, SC, SD, TN, TX, VA, WA, WI,WY. Credit cards only.

☐ VISA ☐ MasterCard ☐ American Express Cards Exp. Date ☐☐ ☐☐ ☐☐☐

☐☐☐☐ ☐☐☐☐ ☐☐☐☐ ☐☐☐☐

X _____

THANK YOU FOR YOUR ORDER.

CARD HOLDER SIGNATURE / ORDER AUTHORIZED BY

If you do not have an account with HAPP, please request a Credit Application. Credit card orders must have cardholders signature. Thank you for your cooperation!

HOLD AND SHIP COMPLETE - Hold the order until it can be shipped complete.
NO INSTRUCTIONS, or OK TO BACKORDER - Ship what we have, backorder the remainder.
OK TO BACKORDER, BUT SHIP COMPLETE - Ship what we have, ship backordered items together.

106 GARLISCH DRIVE • ELK GROVE, IL 60007 • PHONE: 847-593-6130 • CREDIT DEPT. FAX: 847-952-5931

If you do not have an account with HAPP and a NET 30 OPEN ACCOUNT is desired, complete this credit application and submit for our processing along with your order. Or fax directly to our Credit Department at 847-952-5931.

REQUEST FOR NET 30 OPEN ACCOUNT

DATE:_____

☐ NEW CUSTOMER ☐ PRESENT CUSTOMER CUSTOMER NO. _____

Tax Exempt? ☐ YES ☐ NO SALES EXEMPTION CERTIFICATE _____

(Please fax or send a copy of your Tax Certificate for our files

BILL TO (Attention)

NAME: _____

ADDRESS: _____

_____

_____

PHONE: ( ) _____
Area

FAX: ( ) _____
Area

E-MAIL ADDRESS _____

F.E.I.N. or SOCIAL SECURITY NO. _____

BANK NAME: _____

ADDRESS: _____ CITY _____ STATE _____ ZIP _____
(Exact address or closest intersecting street)

SHIP TO (Attention)

NAME: _____

ADDRESS: _____

_____

_____

A/P Contact Name: _____

E-MAIL: _____

PHONE: _____ Ext. _____

FAX: _____

If you would like a Monthly Statement please indicate method:

☐ **Email** ☐ **Fax** ☐ **Mail**

NAME OF BANK OFFICER TO CONTACT: _____ PHONE: ( ) _____
Area

CUSTOMER PERMISSION FOR BANK TO GIVE REFERENCES TO HAPP CONTROLS:

SIGNED: _____

TITLE: _____

BANK FAX NO.: _____

BUSINESS CHECKING ACCOUNT NUMBER _____

HOW LONG IN BUSINESS? _____

NUMBER OF EMPLOYEES _____

☐ CORPORATION ☐ PARTNERSHIP ☐ PROPRIETORSHIP ☐ OTHER, EXPLAIN _____

NAME OF OFFICER, PARTNER, OR OWNER: _____ D&B _____

TRADE REFERENCES (U.S. ONLY)

COMPANY NAME: _____ ADDRESS: _____
(INCLUDE CITY & STATE)

ACC NO. _____ FAX: _____ PHONE: _____

COMPANY NAME: _____ ADDRESS: _____
(INCLUDE CITY & STATE)

ACC NO. _____ FAX: _____ PHONE: _____

COMPANY NAME: _____ ADDRESS: _____
(INCLUDE CITY & STATE)

ACC NO. _____ FAX: _____ PHONE: _____

COMPANY NAME: _____ ADDRESS: _____
(INCLUDE CITY & STATE)

ACC NO. _____ FAX: _____ PHONE: _____

YOUR NAME (Please Print) _____

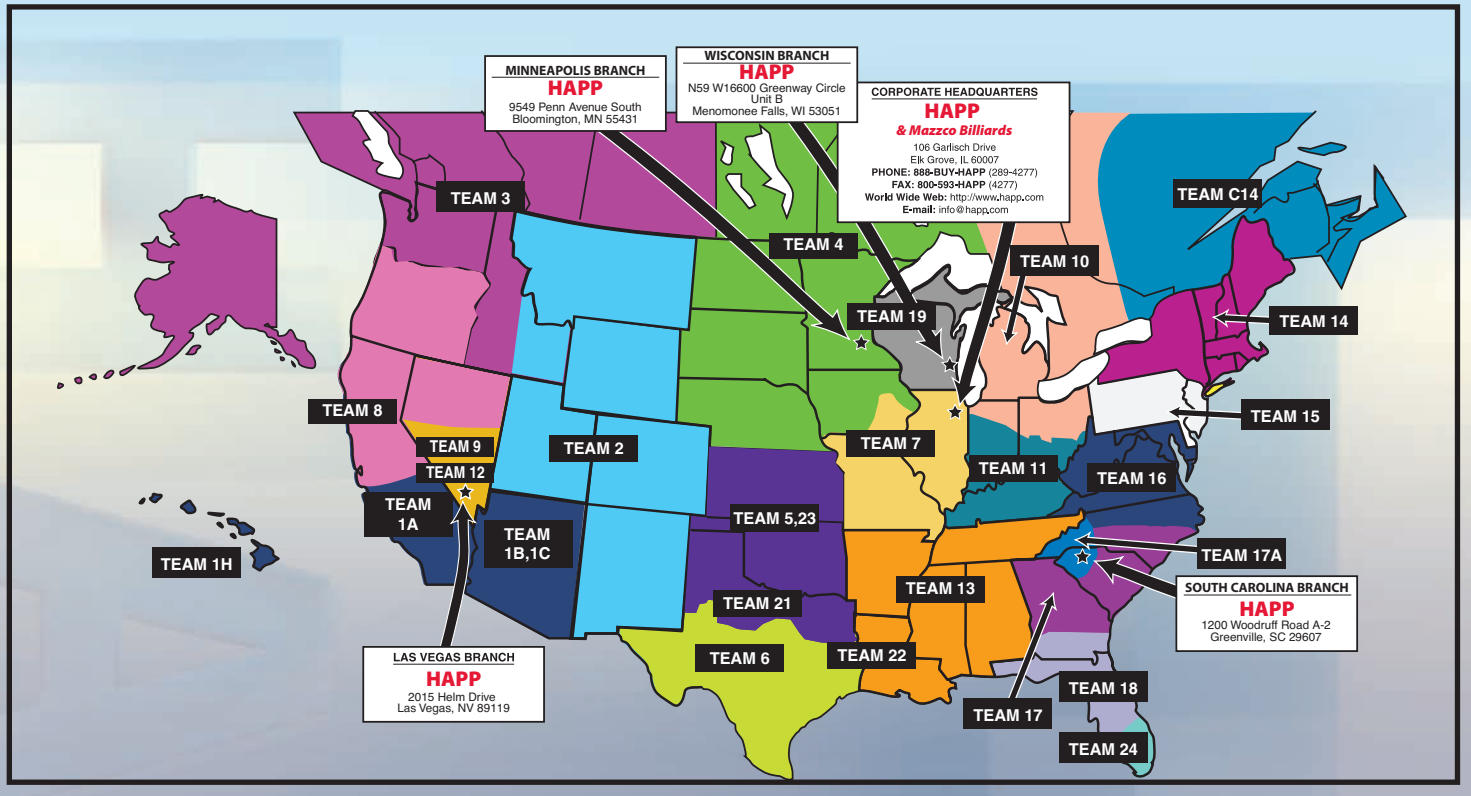
YOUR SIGNATURE _____ TITLE: _____ DATE _____

Please allow 2 weeks for processing of Credit Application.

APPROVED NET 30 YES ☐ NO ☐ OFFICE USE ONLY

DATE: _____ CREDIT MANAGER: _____

NORTH AMERICAN SALES



HAPP® SALES DEPARTMENT

EXPERIENCE - THE DIFFERENCE!!

Happ talented sales staff brings you over 450 years of combined experience

The outside sales force, combined with the inside sales force, establishes Happ as the most experienced sales staff within the Coin-Operated parts industry.

These industry veterans are proudly representing Happ product lines for the Gaming, Amusement, Retail Billiard, Vending, and Industrial industries.

At Happ , we have assembled special sales teams to take care of your parts needs. Each team contains both an outside sales representative plus an inside sales representative(s). Together this team offers you many years of industry experience and will assist you in providing the best products to aid in the effective operation of your company.

The map above is a general guide of what representative covers each territory. However, it is best to call 888-BUY-HAPP to find your specific sales rep. as some representatives' territories are not geographical. Use the following pages to reference the many convenient ways for you to contact them; via phone, fax, e-mail or voice mail. For Mazzco Billiards, OEM, Industrial or Export sales staff please see page 523.

NORTH AMERICAN SALES

Ralph Orlowski

Regional GM - East
Tel: 800-511-1796, Ext. 7128
Cell: 847-867-6617
Fax: 847-952-3290
e-mail: ralph.orlowski@happ.com

Tim Lynch

Regional GM -West
Tim Lynch
Tel: 800-511-1796, Ext. 7450
Fax: 847-952-3290
Cell: 630-215-4529
e-mail: tim.lynch@happ.com

Laura Rossetti

Inside Sales Manager
Laura Rossetti
Tel: 800-511-1796, Ext. 7163
Fax: 800-593-HAPP(4277)
Cell: 847-867-0556
e-mail: laura.rossetti@happ.com

Haro • Gorski • Anderson — TEAM 1

Outside Sales Rep. (T1A, T1H)
Julianne Haro
Tel: 800-511-1796, Ext. 7233
Cell: 909-453-9374
Fax: 909-899-8977
e-mail: julianne.haro@happ.com

Inside Sales Representative
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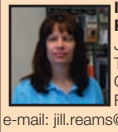

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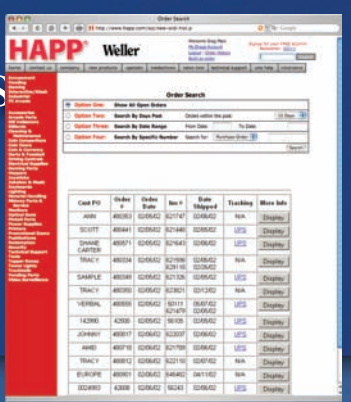

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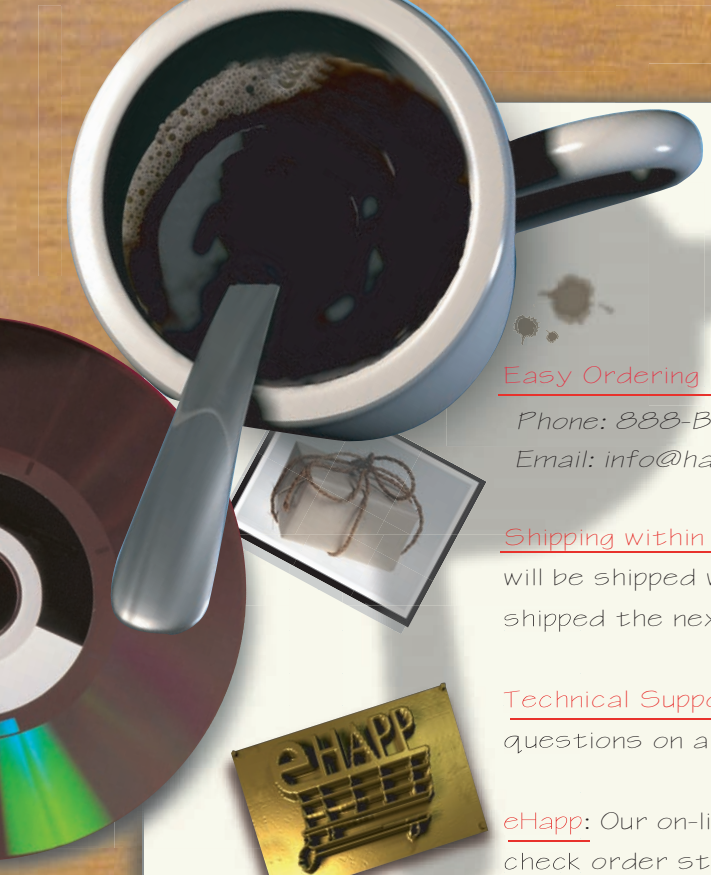

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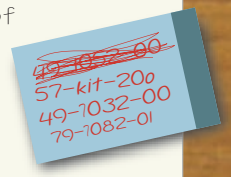

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